ADMINISTRATION REPORT

OF THE

GOVERNMENT MUSEUM, MADRAS
THE NATIONAL ART GALLERY, MADRAS
THE GOVERNMENT MUSEUM, PUDUKKOTTAI

AND

THE CONNEMARA PUBLIC LIBRARY (Exchange section), MADRAS

FOR THE YEAR

1971-72

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GOVERNMENT OF TAMIL NADU
1973

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1973

ADMINISTRATION REPORT FOR 1971-72.
GOVERNMENT MUSEUM, MADRAS-8.

GENERAL.

Distinguished visitors.—The following were the distinguished visitors who visited the Government Museum and the Natoinal Art Gallery, Madras during the year under report :—

1. Dr. P. M. S. Blackett, F.R.S. Royal Society, London.
2. Justice G. D. Khosla.
3. Dr. C. E. Godakumbura, writer from Ceylon.
4. Mr. and Mras. Matsovoka, Consul-General of Japan, Madras.
5. Thiru Bedabrata Barua, Union Deputy Minister, Government of India.
6. Thiru Vincent Kofi, Senior lecturer in Sculpture of the University of Science and Technology, Kumasi, Ghana.
7. Thiru Alajandro, R. Rocer, Journalist and writer from Philliphines.
8. Dr. V. R. Nedunchezhian, Hon'ble Minister for Education, Government of Tamil Nadu.
9. Thiru Allexander Tisme, poet and writer from Yokoslavia.
10. Thiru Francois Monahan, Journalist from France.
11. Thirumathi Roselvte Rovier, Journalist from France.
12. Dr. Paul Philppot, Director, International Centre for Conservation, Rome.
13. Dr. B. B. Lal, Chief Archaeological Chemist, Dehra Dun.
14. Thiru O. P. Agrawal, Chief Chemist, National Museum, New Delhi.
15. Thiru Qundeo Guillet, Ambassador of Italy in India.
16. His Excellency K. K. Shah, Governor of Tamil Nadu.
17. Thiru Maitec Ovidiu, Sculptor from Rumania.

Popular Lectures on Museum subjects.—The scheme of popular lectures by the Museum staff for the benefit of college students and scholars was continued and the following lectures were delivered :—

1. " The Apes " by Thiru G. Kesavaram, Curator, Zoology section.
2. " South Indian coins " by Thiru N. Sankaranarayana, Curator, Numismatic section.
3. " Chola bronzes " by Thiru V. N. Srinivasa Desikan, Curator, Archaeology section.
4. " Conservation of coins " by Thiru S. Thangavelu, Curator, Chemical Conservation section
5. " Aquatic Insects " by Dr. S. T. Satyamurti, Director of Museums.
6. " Can the Museum Educate? " by Thiru N. Harinarayana, Education Officer.
7. " Tribes and Forests " by Thiru N. Devasahayam, Curator, Anthropology section.
8. " Meteorites " by Thiru E. George Jesudossan, Curator, Geology section.

Special Exhibitions.—The following special exhibitions were held during the period under report—

1. North-West German Flora.
2. Medals.
3. Mineral Fillers.
4. Latest additions to the Anthropology Section.
5. Chola coins.

Apart from these, an exhibition of " Portrait paintings and Prints of Ravi Varma paintings " was arranged at the Centenary Exhibition Hall from 12th to 29th November 1971. The exhibition was inagurated by Dr. V. R. Nedunchezhian, Hon'ble Minister for Education on 11th November 1971.

Film shows.—The following educational films were screened during the period under report :—

13-4-71	What is Art ? City of Many Faces. Are Manners important ? A X-mas Dream.
11-5-71	The Round of the Season. Are you a good citizen ? Story of Rice. Art and you. Cliff Hangers.
8-6-71	Shoot the Nets. The Magic square. Dutch Miniatures.
27-7-71	Ikebana. Judo. Folding papers of Japan.
25-8-71	The eye and the Hand. Carpenters of the forest. Hauster at Home. German News Reel.
21-9-71	The Art of Today (in two parts). Tomorrow's cars—today's citizens. To see is everything.
26-10-71	The Children's World of Travel. Gilimpses of Enchanting Japan. The Architecture of Japan. Two Miles a Minute.
23-11-71	Vincent van Gogh. And they named it Holand. Application. Everything or something.
21-12-71	Chatean de Chanully. Winter Olympics. Clemenceau.
18-1-72	News Report from France, No. 32. (*a*) The Roses. (*b*) The Racing club of France. News Report from France, No. 42. (*a*) School for Models. (*b*) Victor Hugo's Exile in Germany.

22-2-72	Alberchb Durer.
	Mosaic of a Town.
	Village of Violins.
	From the Camera to the T. V. Screen.
21-2-72	Ancient Egypt,
	Crocodile Thrills.
	Nalanda.
	Jungle Maranders.

Museum Domonstrations.—As in the previous year, demonstration to the teachers of local high schools were conducted. The object of the demonstrations was to enable the teachers to guide their pupils intelligently round the galleries when the pupils visit the Museum under the guidance of the teachers.

Audio-visual aids.--Sale of the miniature bronze replicas of Rama and Sita, Nataraja, Ardhanariswara and of the electroplated metal casts of coins were continued as usual during the year. Sale of picture post-cards, photographs and photographic albums was also continued.

Symposium.—A symposium on "what I expect from the Museum" was held on 25th January 1972. Professor T. Balakrishna Nayar was the Moderator. The Speakers at the symposium were Professor B.G.L. Swamy, Thirumathi L. S. Nadhan, Thiru J.D.W. Hughes, Thiru A. Ranganathan, Thiru Padmanabhan and Thiru M. R. Subramanian.

Seminar on Museum Education.—The Director of Museums attended and participated in a seminar on "Museum Education" sponsored jointly by the National Museum, Museums Association of India and the Indian National Committee of the International Council of Museums held at the National Museum, New Delhi from 19th to 21st April 1971. He has been elected a member of the National Committee on Museum Education set up at the Seminar.

Museums Review Committee.—The Director of Museums attended the meeting of the Museums Review Committee held at the Prince of Wales Museum, Bombay on 3rd and 4th May 1971 as one of its official members.

Experts' Advisory Committee for the Export of Non-Antiquities.—The Director of Museums attended a meeting of the Experts' Advisory Committee for the Export of Non-antiquities on 19th May 1971 and on 28th February 1972 at the Office of the Southern circle, Archaeological Survey of India as an official member.

Summer Institute in Biology.—The Director of Museums delivered a lecture on the organisation and utilisation of natural history collections in Museums to participants of the summer Institute in Biology on 29th May 1971 at the Museum followed by a guided tour of the Zoology and Botany galleries.

Committee for reviewing the work of the Department of Museology, Baroda.—The Director of Museums, Madras, attended a meeting of the committee for reviewing the work of the Departmnet of Museology Univesrity of Baroda, Baroda.

Board of studies in Sociology and Anthropology, University of Madras.—The Director of Museums attended a meeting of the Board of studies in Sociology and Anthropology the work of the Department of Museology, University of Baroda, Baroda.

Central Advisory Board of Museums.—The Director attended the meeting of the Standing Committee of the Central Advisory Board of Museums at New Delhi on 22nd October 1971 as one of its official members.

Government Museum, Pudukkottai.—The Director inspected the Government Museum, Pudukkottai from the 6th to 14th July 1972 (both days inclusive) and made valuable suggestions for improvements and rectification of the defects. The Director submitted his Inspection Report to the Government in his letter No. 2906/71-A4, dated 15th July 1971.

Padmanabhapuram Palace and Museum of Antiquities.—The Director inspected the Padmanabhapuram Palace and Museum of Antiquities on 19th and 20th January 1972 and submitted his Inspection Report to the Government in his letter No. 5158/71-E-1, dated 22nd January 1972.

Project Advisory Committee of the Central Leather Research Institute, Adyar.—The Director of Museums attended a meeting of the Project Advisory Committee of the Central Leather Research Institute, Adyar on 29th February 1972 as an official member of the committee.

ZOOLOGY.

Additions to collections.—

1. The Water-Beetle (*Cybister sp.*)
2. The Mugger or Marsh Crocodile (*Crocodilus palustrius.*)
3. The Scaly Ant-eater (*Manis crassicaudata.*)
4. The Hamadryas Baboon (*Comopithecus hamadyas*) Skin under the process of preservation.
5. Three skins of Flying squirrel (*petaurista phillipensis.*)
6. Three skins of Malabar Giant squirrel (*Ratfa indica.*)
7. Three Eggs of Black swan.

Work in the galleries.—General galleries.—The Index skeleton parts of the birds were provided with suitable painted background and after renovating the respective sloping cases all the remounted specimens were transferred and exhibited in the skeleton gauery. The old and discoloured descriptive label for the model illustrating the method of capturing an elephant (pit-fall method) mounted inside a wooden picture frame, was replaced by a newly printed bilingual label (English and Tamil). The preparation of Index cards for the exhibited specimens in the skeleton gallery was completed. The old and discoloured painted labels for eleven show-cases in the Foreign Animals Gallery were replaced by newly prepared ones, composed of plastic embossed letters on varnished background teakphase plywood strips which were cut to the required sizes.

Invertebrate galleries.—The sinistral and dextral chanks (*Xancus pyrum*) were re exhibited in the Invertebrate gallery after providing a small centre-case and placing the front glass pane of that part of the door of the respective wall-case by perspex sheet, thereby ensuing better safety measures. One hundred and five shell specimens, were renovated and after providing labels written in black and white paint on the revarnished wooden background planks, they were transferred to the respective show-cases and re-exhibited in this gallery. The lower portions of the six large pillars i.e., upto eight feet from the floor level were provided with chip plastering by the P.W.D. The show cases which were disturbed for the above work were re-arranged in their respective places and the specimens therein were also properly arranged and re-exhibited in the gallery. All the old worn out rim locks to the show-cases in this gallery were replaced by new ones by the Government Wood Working Unit.

Fishes, Amphibians and Reptiles galleries.—All the show-cases in the Fish Gallery were re-arranged on a different plan without disturbing the original classificatory order, so that the rainwater peculating through the ceiling could be avoided from falling on these cases. The old and discoloured Indian ink drawing illustrating the internal organs of frog (*Rana esculenta*) exhibited along with the dissected specimen in the Amphibian gallery was removed and a fresh drawing of the same is being drawn in the section. Two painted wax casts of snakes were renovated and re-exhibited in the Reptile gallery. All the old wornout rim locks were replaced by new ones to all the old show-cases in these galleries.

Bird galleries.—One of the nests of the Ediblenest swiftlet was renovated and re-exhibited in the new birds gallery. The labels, composed of wooden cut-out letters on varnished teakphase background plywood strips, for thirty modernised show-cases were illuminted, by providing specially designed light fittings, as that gallery is always dark.

Mammal Gallery.—The Mouse-deer specimen was renovated and re-exhibited inside the respective show-case in the Mammal Gallery. The Ratel and the other specimens were mounted on wooden painted pedestals and re-exhibited in this gallery. The old and discoloured painted labels were replaced by the new ones made of plastic cut-out letters mounted on varnished teakphase background plywood strips for many of the show-cases in this gallery. A new wooden show-case for exhibiting Tiger specimen was received from the Governmnt Wood Working Unit and added to the Mammal Gallery. The preparation of index cards for the exhibited specimens in this gallery was completed.

In addition to the above, the usual routine items of work such as refilling the specimen jars in the study collections and in the galleries, replacement of broken glass panes with good ones, replacement of old labels with newly printed ones, replacement of old dis-coloured maps and illustrations with freshly prepared ones drawn in Indian ink and poster colours, replacement of burnt-out tubelights and other lamps with new ones inside the show-cases in different galleries, dusting and cleaning of the interior of the show-cases and almirahs, provision of insecticides to the show-cases in the galleries and study collections maintained in the section, etc., were attended to during the year under report.

Educational activities.—(1) Particulars regarding the measurements of the dioramas, miniature dioramas, semi-dioramas and also other particulars such as the date of their preparation, by whom the taxidermy and artistic work were done, etc., were furnished to the Academy of Sciences, Leningrad, U.S.S.R.

(2) Md. S. Haque, a student of the Museology Diploma Course, Baroda University, was afforded necessary facilities for his desertation which he has to submit at the end of the course.

(3) A shot-term training course in Taxidermy was conducted for the attenders from different colleges during the latter half of the month of May 1971.

(4) The Curator delivered lectures and conducted practical classes regarding some of the methods of preserving the zoological specimens to the participants of Summer Institute in Biology, which was arranged at Madras Christian College, Tambaram on 2nd and 3rd June 1971.

(5) Two shrew specimens received from the Professor of Zoology, University of Kerala, Trivandrum, were identified and returned safely.

(6) A popular lecture on " The Apes " was delivered by the Curator on 26th August 1971 in the Bronze Gallery Lecture Hall of this Museum.

(7) Specimens were lent to Wesley High School, Madras-14 and Vivekananda College, Madras-4 for arranging science exhibitions in those institutions.

(8) Mr. Carl Shiefer and his collegue from Kodaikanal School were provided facilities for examining the butterfly specimens in the study collection.

(9) Thiru K. Swaminathan, Central Leather Research Institute, Adyar was given specialised training in the preservation of certain types of specimens during the months of October and November 1971.

(10) Gallery demonstrations to the Science Assistants from different city high schools was conducted by the Curator on 25th March 1972.

(11) Facilities were afforded to Thiru V. Sriramachandramurthy, Research Fellow (I.C.A.R.), Andhra University, Post Graduate Centre, Guntur, with regard to his research work on fishes.

Tours.—The Curator undertook a collection tour to Ennore for collecting some specimens in the backwaters and along the sea-shore.

Research and publications.—(1) The research on the embedding of specimens by using Indian plastic was started and continued. The Curator participated and presented a paper on ' My experience while embedding biological specimens by using Foreign and Indian Plastic ", during a symposium conducted by the Association of Biologists arranged at Sir Theagaraya College, Madras on 14th November 1971.

(2) The Curator continued and completed preparing th type-script of the matter regarding his research work on grasshoppers. He commenced taking photographs of the specimens of different species of grasshoppers available in the collections of this Museum in connection with the publication of a bulletin on grasshoppers.

(3) The Director continued his research work on the Littoral Echinoderms, and prepared the manuscript and illustrations for his paper on the Echinoderms for publication as a Museum Bulletin.

Photographs added.—78 (Seventy-eight) items of photographic negatives were added during the year under report.

Plan of important items of work for 1972–73.—(1) Renovations of the skeletons of the whale, elephant and horse and man.

(2) Exhibiting the plastic biological relief models in the flat-wall-cases, being now made by the Wood Working Unit.

(3) Permanent exhibition of the Cooum Crocodile in the Reptile gallery (in the vacant wall space adjoining the existing specimens of crocodiles).

(4) Attend to the proper relabelling, classification, sorting, identification and card indexing of the reserve collection spirit preserved as well as dry preserved collections, systematically.

BOTANY.

Additions to the collections including reserve.—Six specimens of *Morcella sp.* growing on the root-barks of *Peltophorum ferluineum* were collected in the city and added to the collections. Sample specimen of curly scrap (rubber) was received as gift from the Rubber Board, Kottayam. Seven culms of latest strains of the sugarcane were received as gift from the Sugarcane Breeding Institute, Coimbatore. Six colour-charts of *Osbeckia, Lilium, Gyanotis, Cinchona, Compositae* and *primulaceae*, and two black and white charts of " Sugar Production in India " with the latest data and " Coffee cultivation ", were prepared afresh.

Additions to the galleries.—The old colour charts of *Clitoria, Cassia Fistula* and *Prunus persica* were replaced by newly-prepared ones in the Systematic Botany Gallery. The old and semi-faded photograph of " Seaweeds on Rocks and Boulders " was renewed in the Ecology Gallery. A new specimen of curly scrap and a revised chart of " Sugar Production in India " replaced the older exhibits in the Economic Botany Gallery.

Improvements to the Gallery.—Wrinkles in the lining-cloth of eleven show-cases in the Systametic Botany Gallery were removed; fifty-two wooden knobs of the herbarium drawers were replaced with metallic ones, in the same gallery.

Labelling and preservation.—Preservation of sugarcans culms with colour was attended to. The exhibit of *Sorghum sp. co.* 19 in the " Millets " series was treated and protected against insect-attacks. Nineteen fluid-preserved specimens were renovated. Twenty-five exhibits of the " Dyes and Tans " series were given a better presentation with white background. The broken bottle of the exhibit of oil of Nigella sativa was replaced with a fresh one.

New labels for 618 exhibits were prepared for printing. Printed labels were provided for eight exhibits in the " Marine vegetation " series and for nine newly prepared colour-charts and for 81 exhibits of " Sugarcane ", " Cotton ", " Rubber", Species and Condiments ", " Tea " and " Coffee " series. Tamil equivalents were provided for the names of different woods on the exhibits of the " Timber Distribution Map of the Madras Presidency ". Eleven show-cases in the Economic Botany Gallery were fitted up with painted bilingual index labels. Forty-one photographs in the album were provided with legends.

Research and publications.—Identification of specimens collected on the Kuttalam Hills, was attended to. Investigations on better means of preservation of curly scrap, were begun. Printing of the Curators Bulletin on Ferns, was pushed to the price-fixation stage. Collection of literature on mosses, for his next major work, was attended to. Work on his guide-work for the " Plant communities ", was just begun. Formalities for taking up the printing of the Assistant Curator's " Guide to the Economic Products Gallery " were under way.

Additions made to the Sectional Library were : *proceedings of the Birmingham Natural History Society*, No. 1, Vol. 22, 1971, *Ceylon Journal of Science*, Biological series, No. 1, Vol. 9, 1971, *Australian Journal of Biological Sciences*, No. 1, Vol. 24, 1971, and *Journal of South African Botany*, Part 3, Vol. 36, 1970 and Part 2, Vol. 37, 1971.

Facilities to research workers and others.—Facilities were afforded as usual to resarch workers and others, the chief beneficiaries being Thiru Haque of the Museology Department of the M. S. University of Baroda, Thiru Selvaraj of Wesley High School, Royapettah, Madras; Thiru V. N. Margabandhu (Retired), Deputy Director of Food, Government of India, Madras; and Selvi Susan Job of the University of Kerala.

Plans for the future.—Collection of specimens for filling up gaps in the series and for replacing the older ones, will be attended to. Renewal of the old and discoloured botanical charts, will be continued. Efforts will be pursued to exhibit the plastic relief models, to replace the wooden knobs of the herbanium drawers with metallic ones, to modernize the central part of the Economic products gallery, to modernize the show cases for south Indian timbers, and to organise " Phytoecology " and ' Morphology ' series in the galleries. Guide books will be printed for the Economic products gallery and for the " Plant communities ". The Bulletin, *Wild Ferns of Madras City and its immediate neighbourhood, will be released for sale.*

GEOLOGY.

Additions to the galleries.—A specimen of columbite-tantalite was added to the Mineral Gallery as the one which was already there was exhibited in the Economic Geology Gallery.

Improvements to the galleries.—A show-case for the Geological column was received from the Wood Working Unit, Guindy, and fixed in the Gallery. A table case containing a large specimen of quartz which was kept near the Mineral Gallery was shifted to the mezzanine floor in order to provide space for the Geological column case. The Petrology gallery was being reorganised. The leaky roof above the Geology Gallery was repaired. The Madras terrace above the Geology Section was also repaired to prevent leakages during the monsoon. All the wooden rafters, doors, windows, pillars and the base of the mezzanine floor, both in the gallery and section, were repainted. Some of the show-cases which were shifted during the repairs, etc., were replaced in their respective positions after cleaning and re-arranging the exhibits in them. All the cut-out letters on the modernised show-cases were repainted as they had become dull. The interior of a vertical show-case pertaining to Rocks and a wall show-case pertaining to Cubical Building Stones were repainted as they were stained by rain water, and the specimens were re-exhibited in them. The modernised show-case in which 24 small, rectangular, polished building stones used in the construction of the Maharajah's Palace at Mysore were displayed, was repainted and the stones were re-exhibited after re-classifying and re-numbering them according to the identification of Thiru P. Prabhakara Rao. The base of another modernised show-case contaning large, rectangular, polished building stones was also repainted and the stones were ex-exhibited after re-classifying and re-numbering them according to his idntification. The show-case for the Carbeniferous Fossils was re-varnished after applying fresh putty for the glass panes. The specimen of brick clay in the Economic Geology Gallery on the mezzanine floor was provided with a tray. The broken legs of some of the sloping cases were repaired. The loose hoons in some of the window courtains were re-stitched. Some of the powdery and granular specimens in the reserve collections which were kept in paper bundles and cardboard trays were transferred to wide mouth bottles.

Lebelling and preservation.—One english label for clays was repainted with tamil equivalent and refixed in the gallery. All the cubical, polished, building stones in the wall show-cases were provided with labels. A fresh printed label with new nomenclatures according to the identification of Thiru P. Prabhakara Rao, was provided for the large, rectangular, polished, building stones, exhibited at the base of a modernised show-case. A temporary hand-written label with new nomenclatures according to the identification of Thiru P. Prabhakara Rao was provided for the 24 small, rectangular, polished building stones, usd in the construction of the Maharajah's Palace at Mysore. A name board for the section was repainted. Two rock salt specimens were preserved and re-exhibited.

Research.—Twenty-four specimens of rocks in the reserve collections were re-identified and re-named.

Colour schemes with which the Geological column case has to be painted were being studied.

Publication.—Three books and a map were added to the Sectional Library.

Educational work—Special Exhibitions.—The Geology Section participated in the Special Exhibition on " Man Records ".

Facilities to research workers and others.—(1) Two Russian Professors of Geology were taken round the galleries.

(2) Information on Mineral Fillers was furnished to Thiru Anant V. Prabhu from Tvl. Lalvani Brothers, Madras and to a group of engineers from the Highways Department, Guindy.

(3) Facilities were afforded to Thiru Haq., Curator of Zoology, Ranchi University, Bihar. Some gemstones brought by him were also examined.

(4) A specimen brought by Thiru Kadirvelu was identified.

(5) Some of the rock specimens and the Meopta Binocular Ore Microscope were shown to the Geologists Thiru Venkataraman and Thiru Ghosh.

(6) The exhibits in the gallery were explained to Thiru Anders Elverhoi, a student of Geology from Norway; to Thirumathi Jacklin Dube from Africa; and to Thiru S. S. Pandurangan.

(7) Training was given to Thiru M. Mohan, Thiru M. Kuppuswamy and to Thiru M. Gandhi, the newly appointed Gallery Guides.

Photographs added.—Seventeen quarter size photographs of geological specimens were prepared for the album.

General.—Meopta Binocular Ore Microscope Model RU-2, Meopta Micro-photographic Equipment, Meopta Phase Contrast Equipment, Meopta Dark Field Illuminator, Microscope Lamp and Exa-500 camera for the microscope were purchased and added to the section for the scientific study of rocks, minerals and ores.

Plans for the year 1972-73.—The interiors of some of the sloping cases on the mezzanine floor will be painted to cover the patchy appearance formed due to rain water. The panels for the Geological column case will be painted and fitted into the new show-case installed in the gallery. Fresh curtains are to be provided for the windows on the mezzanine floor. Efforts will be continued to import ultra-violet bulbs for the re-functioning of the ultra-violet unit.

ANTHROPOLOGY.

Additions to the collections.—The following materials were added to the collection :

(*a*) Twenty two neolithic celts from the Department of Anthropology, Gauhati University, Assam, as gift.

(*b*) A terracotta pottery lamp from Thirumathi Leela Daniel, Karaimedu, Malaiyur Mayuram, as gift.

(c) A complete set of an articulated human skeleton as gift, from the Director, Institute of Anatomy, Madras Medical College.

(d) A nagaswaram of late Thiru N. K. Elumalai Pillai, from Thiru M. Parthasarathy, Mylapore, as gift.

(e) A single barrel breach loading gun from Zoology section of this Museum as an item of transfer.

(f) Nine round shaped hallow gold pieces as treasure trove from Sircarperiyapalayam village, Erode taluk, Coimbatore district.

(g) Eighteen brass objects of bangles, hooks, etc., as treasure trove from Thillaiyadi village, Mayuram taluk, Thanjavur district.

(h) A small pot with a lid of Kotas as gifts from Thirumathi N. Kuppi, Aggal village, Kotagiri, Nilgiri district.

(i) 19 mounted photographs of Ethnology, six objects of Arms and Ethnology and 126 unaccounted books in the section were brought into account.

Work in the galleries.—Mosaic chips were provided to the walls (upto 5 feet) of the Arms and Prehistory galleries. The arms were refixed in the renovated Arms gallery and were provided with plywood labels. The brick floor of the Musical Instruments gallery was replaced with mosaic slabs. All the cannon sign boards were refixed with new bolts and screws. A mortar stand and a cannon carriage were repainted. A cannon sign board was rewritten. Three foreign tribal cases were repainted and objects were redisplayed. The stained base portions in the cases of the Malabar sorcery figures and the Siva temple car were repainted. The ceiling in the Kathakali gallery was renovated and provided with ornamental zinc sheets. A new display board was provided to the terracottas from Arikamedu site. 76 labels were provided to the exhibits in the Mohanjodaro gallery. About 30 new labels were provided to the exhibits in the Kani and Khond cases. Descriptive labels of the Musical Instruments, the Prehistoric Antiquities and the Meriah Sacrifice Post were reprinted. Faded labels were replaced with new labels in the Aiyanar and Grama Devadas cases.

Preservation of objects.—Three hundred and seventy-two prehistoric, 29 Ethnographic, 130 arms and a musical instrument were chemically treated and preserved.

Lectures and Training.—The Curator delivered twelve lectures on material culture and prehistory to the certificate and diploma students in Anthropology, University of Madras. The practical examination for the Diploma students in Anthropology was conducted in the Museum. The Curator attended the 59th Indian Science Congress session of Anthropology and Archaeology at Calcutta from 20th to 23rd February 1972 and read a paper on "Constructing a sort of history of human activity through Anthropological Galleries". A gallery talk was delivered by the Curator, to a batch of students of B.A. class, Department of Psychology, Presidency College, Madras. A gallery demonstration lecture was delivered by the Curator to a batch of city school teachers. The newly appointed guides, namely Thiruvalargal Anwar Badsha, M. Mohan and M. Gandhi were given training in Anthropology.

Research and Publications.—Thiru C. J. Jayadev's manuscript on "Tali Rite" was retyped and corrections were being attended to. The bulletin on "The Excavations at Kilpauk, Panunda and Sankavaram" by Thiru M. D. Raghavan and Thiru N. Devasahayam, was being sent to the Press. The "Puppets catalogue" by Thiru N. Devasahayam was being typed. Literature was being collected for the Arms Catalogue.

An article on the "Arikamedu" was prepared by the Curator and sent to the Malayalam Encyclopaedia, Trivandrum for publication. A research article on the "Meriah and Ram-Tribal Beliefs in Agriculture" was contributed by the Curator to the "Adibasi" (Volume XII, No. 1, 4 January 1971) a journal of the Tribal Research Bureau, Orissa. An article on the "Anthropological galleries" was prepared for publishing in the issue of the Tamil Arasu. Anothr article in Tamil on the Meriah Sacrifice Post was contributed by the Curator to the monthly journal the "Mani Malar" (June 1971), Madras

Special Exhibition.—Twenty mounted photographs and six tribal objects were loaned to Sri Vidyodhaya Girls High School, T. Nagar, Madras, for the school exhibition. A few items of writing meterials were displayed in the Special Exibition "Man Records".

Research Facilities.—Research Facilities were afforded to the following :—

Thiru. J. K. Sharma, Archaeological Survery of India, Nagpur Branch, for studying the Footes's collection.

2. Thiruvalargal Roy Choudhary and K. Swaminathan, Central Leather Institute, Adyar were given training in Anthropology and Musiology.

3. Thiru G. N. Das, Anthropologist ,Cuttack for studying the Nilgiris prehistoric collection.

4. Thidu S. Gurumurthy, Department of Archaelogy and Ancient History, for University of Madras studying Megaliths of South India.

5. Mrs. M. R. P. Lappin, Munnar, Kerala for studying megaliths of South India.

6. Thiru Balakrishna Nayar, Madras for studying Russet coated potteries.

7. The students of the Department of Archaeology and Ancient History, Andhra University, Waltair for studying Foote's collcetion and Potteries.

collection.

8. The Students of the Delhi School of Archaeology, New Delhi for studying Foote's

9. Dr. Ivan Macak, Curator, Slovak National Museum, Czechoslovakia for studying Ethno-musical instruments.

10. The Students of the Department of Anthropology, University of Madras were given training in Anthropology.

Photographs added.—Thirty-seven 2¼ size negatives were added to the collection.

Miscellaneous.—One hundred and forty-seven books were added to the sectional library. About 125 index cards were prepared during the year.

Plans for the year.—1. New show cases for the newly acquired musical instruments to be constructed and installed.

2. Cleaning and rearranging the two prehistory galleries after the provision of mosaic tiles for the walls.

3. Renewing the proposal to Government for the leather puppets gallery for early sanction.

4. The newly acquired Human skeleton may be exhibited in the physical Anthropology gallery in a new show case, to be supplied by wood working unit.

5. Acquisition of Mrs. Klein and Peyerl's photographs and negatives.

6. Replacement of the double glass pane by single glass pane for the Central show cases in the prehistory and physical Anthropology galleries.

7. The Curator to undertake one collecting tour for collection and acquisition of Ethnological objects from tribal areas this year also.

8. Printing the following Bulletins may be completed :—

(i) Kilpauk Excavations,

(ii) Catalogue of leather puppets,

(iii) Paper on Tali rites by Thiru C. J. Jayadev,

(iv) Catalogue of the Arms Gallery exhibits,

(v) Reprinting of the Bulletin on Musical instruments,

(vi) Guide book to Mohanjo-Daro Gallery.

NUMISMATICS.

Additions to the collection—(A) *Treasure trove.*—Thirteen silver Indo-British Arcot Rupee from Ambur, Ambasamudram, Tirunelveli, Three hundred and eighty-eight silver coins of Victoria and four silver coins of William IV from Kunnudavakavandanpatti, Kulithalai taluk, Tiruchirappalli district were acquired as treasure trove.

(*B*) *Purchase.*—Four silver coins, two of Uttama Chola and two of Rajendra Chola were purchased from Thiru Arumugham. Thiru S. Sigarajan, Director of Archives, Tamil Nadu gifted one copper Indo-Dutch coin, dated 1754. Thirteen old dry measures of brass and G.I. sheet, thirty-eight weights of different types, seven beam scales and one long ½ yard scale from the Inspector of Labour, Namakkal, one steel yard balance from the Commissioner of Panchayat Union, Kattangulathur, Chingleput District, two steel yard balances and two slated balances from the Inspector of Labour, Koilpatti, one Avery steel yard balance and seven weights from the Assistant Inspector of Labour, Tirunelveli, one old Vallam measure from the Inspector of Labour, Erode, one old Vallam measure from the Assistant Inspector of Labour, Tirupattur, North Arcot District were acquired for the Museum by way of transfer from those above mentioned departments.

Work done in the sections.—Coins sent as treasure trove were examined, some of them were recommended for acquisition for the Museum. Two hundred and fifty electroplated metal cast coins were entered in the register, specially opened for that purpose. About one thousand books received in exchange and marked for the Connemara Public Library were entered in the register.

Work done in the galleries.—Four historical documents were bound and redisplayed in the gallery along with the descriptive labels.

Research.—Four hundred Vijayanagar coins were studied for the proposed of catalogue of Vijayanagar coins in the Madras Museum.

Educational work—Facilities to Research workers and others.—Information on all aspects of Indian coinage was given to College and school students. Professors Dr. Peter Berghaus of West Germany was given facilities to study Roman and Byzantine coins in the Government Museum Professor Balakrishnan Nayar was given facilities to consult sectional Library books.

Photographs added.—Twenty-four ½ size negatives of Vijayanagar, East Chalukyan, Western Chalukyan, Chola, Nolamba, Yadava and Kakatiya coins of the Madras Government Museum were added.

Plans for the year 1972–73.—1. Enlarged photographs of obverse and reverse of major representative types of Indian coins may be put up along with the metal casts of coins with adequate descriptive labels with a view to organising a permanent Numismatic gallery in the upstair room of the Bronze gallery.

2. Sales stock of coins to be transferred in instalments to the Curator's room.

Research and publications.—1. Catalogue of Vijayanagar coins to be prepared by the Curator.

2. Paper on South Indian coinage by Thiru P. N. Mohandas.

3. Paper on Caliphite coins by Professor, Azmatullah to be printed as a Museum Bulletin. Introductory part to be written up by the Assistant Director of Museums.

ARCHAEOLOGY.

Additions to the collections.—The following objects were acquired during the year under reveiew :—

(A) *Treasure trove—Metal objects.*—

1. Crawling Krishna, Vellayakonapatti, Manaparai Taluk, Tiruchirappalli District.
2. Nataraja, Kaduvangudi, Nagapattinam Taluk, Thanjavur District.
3. Somaskanda, Kaduvangudi, Nagapattinam Taluk, Thanjavur District.
4. Uma sahita, Kaduvangudi, Nagapattinam Taluk, Thanjavur District.
5. Ganesa, Kaduvangudi, Nagapattinam Taluk, Thanjavur District.
6. Devi, Kaduvangudi, Nagapattinam Taluk, Thanjavur District.
7. Devi, Kaduvangudi, Nagapattinam Taluk, Thanjavur District.
8. Trident, Kaduvangudi, Nagapattinam Taluk, Thanjavur District.
9. Crawling Krishna, Jambugambalpuram, Papanasam Taluk, Thanjavur District
10. Crawling Krishna, Jambukambelpuram, Papanasam, Taluk, Thanjavur District.
11. Devi, Agarathur, Kumbakonam Taluk, Thanjavur District.
12. Devi, Saliamangalam, Satyamangalam of Papanasam Taluk, Thanjavur District.
13. Manikkavachaka, Satyamangalam of Papanasam taluk, Thanjavur District
14. Balasubrahmanya, Satyamangalam of Papanasam taluk, Thanjavur District.

Store :—

15. Mahavira, Ambathur, Saidapet Taluk, Chingleput District.
16. Vishnu, Narasingampettai, Kumbakonam Taluk, Thanjavur District.

(*B*) *By purchase* :—

1. One copper plate grant (consisting three plates) assignable to Vijayanagara Dynasty from Thiru T. Gubendrachari, Kanchipuram.
2. Sankhanidhi (wood carving)—From Sri Meikandamurti temple, Nagapattinam of Thanjavur District.
3. Padmanidhi (wood carving)—From Sri Maikandamurti temple, Nagapattinam, Thanjavur District.
4. Lady with toilet (wood carving)—From Sri Meikandamurti temple, Nagapattinam, Thanjavur District.
5. Agastya (wood carving)—From Sri Meikandamurti temple, Nagapattinam Thanjavur District.
6. Ganesa (wood carving)—From Sri Meikandamurti temple, Nagapattinam, Thanjavur District.
7. Manmatha (wood carving)—From Sri Satgunanathaswami Devasthanam, Idumbavanam, Tiruthuraipundi Taluk, Thanjavur District.
8. Boat scene (wood carving)—From Sri Satgunanathaswami Devasthanam, Idumbavanam, Tiruthuraipundi Taluk, Thanjavur District.
9. Two sets of charts each consisting six Booklets respectively on "Ancient Indian Alphabets" and "Medieval Indian Alphabets" from All India Educational Society, New Delhi.
10. Mahisnasuramardani (wood carving)—From Sri Tirumarainatha Swami Devasthanam, Tiruvadavur, Melur Taluk, Madurai District.
11. Sita in Asokavana (wood carving)—From Sri Tirumarainatha Swami Devasthanam, Tiruvadavur, Melur Taluk, Madurai District.

(C) *Transfer.*—1. Twenty-three paintings prepared during the second World Tamil Conference were transferred from the Directorate of Archaeology to this Museum.

(D) *Gift.*—1. The Model of Gandhimandapa in wood from Raj Bhavan, Guindy.

2. Forty-two portrait paintings and seventy-seven prints of Ravivarma from Thiru K. V. Vaidyanathan, Madras-2.

Work in the galleries—(a) New Extension gallery and Hindu Sculpture, gallery.—The trilingual descriptive labels for " Early Chola period " " Late Chola period ", " Tamhani sculpture " " Modern period " Vijayanagar period, " Pallava sculpture ", Telugu sculptures of the Modern period, Telugu sculptures of Vijayanager period, Western chalukyan sculpture and Nolamba sculpture were replaced by newly printed bilingual labels. Nine printed labels were bound and provided for the exhibits in Gupta case, Faded aluminium labels were replaced by printed ones.

(b) *Amaravati gallery.*—The descriptive label for Amaravati stupa model was renewed Uniform bold typed labels were provided replacing the existing labels. The pillars were provided mosaic chips upto height of eight feet by Public Works Department.

(c) *New Buddhist gallery.*—All the fifteen exhibits pertaining to the models of Nagarjunakonda excavated materials were provided with newly printed labels.

(d) *Picture gallery.*—The Picture gallery was temporarily closed for enabling the Public Works Department to carry out the repair in the galley from June to August 1971. The gallery was reopened on 1st September 1971. All the exhibits were provided with printed labels.

(e) *Bronze gallery.*—Ten painted labels were provided for the images, replacing the existing faded printed ones. The Nataraja image from Kothangudi, which was hitherto in New Extension Gallery was brought to Bronze Gallery for permanent display. One image of dancing Ganesa from reserve collections was added to Bronze gallery for permanent display.

(f) *Metalware gallery.*—This gallery which was closed in March 1971 to enable the Public Works Department to provide mossaic flooring, was reopened on 14th August 1971. All the exhibits in the verandah and in the centre of Main Hall, were rearranged.

Work in the section.—The Assistant Director conducted the annual physical verification of valuable, tools, furniture in the section and galleries. The physical verification of exhibits was conducted by Assistant Director of Museums in New Extension Gallery. Hindu sculpture gallery, Amaravati Gallery, New Buddhist gallery, Jain Gallery, Picture gallery and Bronze Gallery. Separate gallery registers for the exhibit were prepared for the physical verification by Assistant Director of Museums. The discrepancies pointed out by Assistant Director of Museums in his physical verification report were rectified and Director's attestation was obtained for the entries made in the main registers. The treasure trove images received from the Districts were examined and studied. The exhibits that are on display in the galleries, but are not accounted in any register all these years, were brought into account in the Accession register and Director's attestation was obtained. A separate register pertaining to valuables, tools, apparatus etc., and furniture in the galleries and in the section pertaining to Archaeology section was prepared. The Portrait paintings and the prints of Ravivarma paintings offered by Thiru K. V. Vaidyanathan as gifts to the Museum, were examined and 42 portraits and seventy-seven prints of Ravi Varma were selected for acquisition by the Museum, free of cost.

Research.—The Curator collected materials for " Guide to Bronze Gallery " and " Guide to Metal were gallery " and the script for the former is getting press ready. The preparation of " Catalogue of copper plate grants " and " Catalogue of Stone inscriptions " is being continued.

Lectures and Trainings.—Lectures were given in the galleries to two batch of visiting American school teachers on South Indian Temple Architecture on 6th and 29th July 1971. Demonstration classes for school teachers on Archaeology was conducted. The newly appointed guides (Natural History section) and two general sections guides—were given intensive training in Archaeology section.

Research Facilities.—The following scholars were given facilities for conducting their research on the subjects noted against each :—

1. Thiru K. Seshadri, Lecturer in History, Madura College, Madurai Setupatis of Ramanathapuram.

2. Mrs. Sarla D. Nagar, Associate Curator, South Asian Art, Museum of Art and Archaeology, University Mussorie, Columbia, U.S.A.—South Indian Bronzes and Panchayatana cult.

3. Selvi T. R. Vasanthi Rao, Research Scholar, University of Madras—Chola Art.

4. Dr. Ballabh Srivansva, Lecturer in Ancient History and Culture, Banaras Hindu University, Varanasi—Pallava Bronzes.

5. Thiru C. Sivaramamurti, Director, National Museum, New Delhi—Amaravati sculptures.

6. Mrs. Albertine Gaur. British Museum, London—Copper plate grants.

7. Thiru Srinivasan, Artist, Regional Labour Institute, Adyar—Lamps of South India.

8. Thiru P. R. Srinivasan, Superintending Archaeologist for Epigraphy, Archaeological Survey of India, Mysore—Jain sculptures.

9. Dr. Aschwin Hippe, Research Curator for Eastern Art, Metropolitan Museum, New York—South Indian bronzes.

Mrs. Ayala Zacks, Toronto—South Indian sculptures.

Dr. Stein Daviean, U.S.A.—Indian Bronzes.

Thiru G. Amar, Jnanapith, Baroda—Jain sculptures.

Mrs. Zennas, Greece—Indian bronzes.

Mr. Handy, Oxford University, U.K.—Alwars.

Mr. Maitech, Rumania—Wood carvings.

Mr. Ivon, Cezh-scholar—Musical Instruments represented in sculptures.

Mrs. and Mr. Bickford, U.K.—South Indian bronzes.

Mrs. and Mr. W. P. Jones—South Indian bronzes.

Educational Activities—Tours.—The Curator undertook tour to Tiruvadavur, Madura District for the selection of wood carvings to Vellore to examine certain bronzes available with a private person; to Aryakudi to examine certain lamps available with a Vishnu temple at the village; to Tiruthani, to examine certain bronze images available with the local sub-post master, to Avudayarkoil to examine wood carvings, and to be Narasingapettai, to transport the sculpture of Vishnu to Museum. Besides this, the Curator during the tours to above places, studied the art and architecture of the places in and around the above places.

The Assistant Curator toured to Madurai and collected the six wood carvings from the Sivaganga Devasthanam at Madurai.

Exhibition.—A special exhibition of "forty-one portrait paintings by Thiru K. V. Vaidyanathan and the prints by Ravi Varma paintings—both presented to the Museum by Thiru K. V. Vaidyanathan—was arranged in the Museum in November 1971 (14th to 30th November 1971). The above function was inaugurated by the Honourable Minister for Education Thiru V. R. Nedunchezian and presided over by Thiru M. Anantanarayanan.

The Archaeology section has participated in the special exhibition on "Man Records".

Miscellaneous.—1. Ten numbers of replicas of Nataraja were received and put on for sale.

(2) Facilities to Museums Branch of the Archaeological Survey of India for preparing cement casts of Amaravati sculptures.

(3) Facilities to National Museum, New Delhi, for preparing a plaster cast of an Amaravati sculpture, to be presented to King of Thailand by the President of India.

(4) A good number of scholars were given facilities for taking photographs of the exhibits in Archaeology galleries.

(5) The articles (furniture) not worth requiring by the section, because of this poor condition were auctioned.

Negatives.—Eighty-seven film (2 by 2) negatives were added to the collection.

Plans for 1972–73.—(1) All the remaining aluminium labels in the sculpture galleries to be replaced by glass framed wooden printed labels.

(2) Masonite painted labels to be prepared for all the exhibits in the Bronze gallery, Picture gallery and Buddhist antiquities gallery.

(3) Panelling of the Pith model centre cases by wooden planks to be completed.

(4) Acquisition of Mrs. Klein and Peyerls photographs, and negatives through Mrs. Buck.

(5) Open air sculpture gallery to be arranged within the barbed wire-fencing around the Archaeology shed, providing painted labels for the sculptures.

(6) Acquisition of the idols from Bombay Collector of Customs by the Curator.

(7) Acquisition of an original temple car.

(8) Exhibiting the renovated model of Gandhi Mandap.

(9) Provision of fresh curtains for Picture gallery windows.

Research and Publications.—(1) Printing of the Amaravati mode of sculpture by Thiru Sivaramamurti, to be expedited.

(2) The following papers by the Curator to be expeditiously completed and published :—

(i) Revised catalogue of copper plate grants.

(ii) Guide to the Bronze gallery.

(iii) Guide to the Metal Ware and Wood Carvings galleries.

NATIONAL ART GALLERY.

Additions.—The special committee met on 13th April 1971 and recommended the purchase of the painting entitled "Studio" by K. G. Subrahmanyam at a cost of Rs. 1,250.

The following paintings recommended by the above committee were purchased :—

(1) "Expression" by Alphanso.

(2) "Kausalya and Rama" by P. L. Narasimhamurti.

(3) "Man Eater" by K. S. Rao.

(4) "Moorty" (sculpture) by Balan Nambiar.

The artist has given another sculpture entitled "Woman" as gift to the National Art Gallery.

Work in the galleries.—The pedestals of Rama Group of bronzes, Natesa group of bonzes, Bindri ware, sandal wood, etc., were provided with fresh felt-lining cloth.

Five paintings framed by the College of Arts and Crafts were redisplayed in the Central hall.

Four paintings were dusted and renovated and redisplayed.

The Assistant Director conducted annual verification of furniture and exhibits in the National Art Gallery.

The sculptures " Moorty " and " Woman " both by Balan Nambiar were erected on masonry pedestals on the lawns of the National Art Gallery.

Visitors.—The following distinguished visitors visited the National Art Gallery and the remarks recorded in the distinguished visitors' books are furnished below :—

Date.	Name.	Remarks.
(1)	(2)	(3)
3rd August 1971 ..	Mr. and Mrs. Y. Mensmaka ..	..
4th September 1971 ..	B. Barua	A very good work is being done here.
6th September 1971 ..	Vincent Kenete Kofi	Satisfying to go round with the folk from the near by towns. This is fulfilling a mission.
4th October 1971 ..	(Not clear.)	A great tribute to an able part.
8th February 1972 ..	Kigil Rjenev Sofls	(In Russian.)
8th February 1972 ..	Avala Aacks Toronto	A most enlightening insight to be art of South India.
11th March 1972 ..	K. K. Shah (His Excellency the Governor of Madras).	Artistically exhibited.
15th March 1972 ..	Dr. Breznies	(In Russion).
5th March 1972 ..	Peter Yolos	Do.
18th March 1972 ..	Maitee ovidon	French.

Plants for 1972–73.—(1) Provision of painted masonite labels for all the exhibits.

(2) Renewal and replacements of the yellow background cloth curtains for Rama-Sita group of bronzes and for the Nataraja group of bronze images.

(3) Framing of all the unframed paintings inside the centre show cases by the wood working unit, to be completed.

Changing of the paintings in Modern Art Gallery (First floor rear room).

Colour picture post cards to be reprinted expeditiously.

CHEMICAL CONSERVATION.

Art and Archaeology.—Twenty-four wood carvings were given treatment and suitably preserved. The Devi image was given treatment and the holes found on the surface were plugged with silver oxide. The black stains on the sculptures near the pillars in the Amaravathi Gallery, the ink stains on the Parsvanatha (stone sculpture) in the Jail Gallery and the stains on the two ornamental plaques were removed. For the inauguration of paintings presented by Thiru K. V. Vaidyanathan, one brass plate and two brass paper weights were coated with 10 per cent polyvinyl acetate.

Anthropology.—Hut models of Todas, Kani, Muduga and Saora were strengthened with polyvinyl acetate solution by using the spray gun. Bamboo vessels in Muduga case and in Saora case were also strengthened with polyvinyl acetate solution. Three hundred and eighteen objects of iron, copper and bronze from Adichanallur, Tirunelveli district which are exhibited in the Anthropological Galleries, fifty iron objects of Rea's collection in the pre-history store room and the damaged portion of the Burma Gun were strengthened with paraffin wax solution, one Gijjai, one silver waist band of Badaga, two leather puppets, sixty-nine guns, thirty-six spears, eleven cannon, three swords, one brass necklace of cherumans, the iron cage and three chain mails were given treatment and preserved. Two dresses of Todas, four Pathan dresses, four Manipur objects, two Khond dresses and one linen account books were sterilized with suitable insecticides. Two wooden pedestals in the Arms Gallery were cleaned from stains.

Numismatics.—The state coach was given treatment and preserved.

Work in the section.—The vacuum impregnation tank was lined with fibre glass. Iron hooks were fixed for the cupboards in the ground floor of the new block. The Curator published an article on preserving precious bronzes in the Tamil Arasu, dated 5th July 1971 and another article on the face lift of wood carvings (both in Tamil and English) in the Tamil Arasu, dated 16th September 1971. The Curator attended the Asia Pacific Conference on conservation of cultural property sponsored by the Rome Centre and the National Museum, New Delhi from 7th to 12th February 1972.

Training was given on conservation to Thiru M. S. Haque, Curator, Zoology section, Ranchi University and student of Museology, Baroda. Training was also given on conservation of leather objects to Thiru Swaminathan of the Central Leather Research Institute, Adyar. Information was furnished on preserving leather objects to Thiru Ray, Chouthiry of the Central Leather Research Institute, Adyar. Information was also furnished to Thiru S. N. Kapoor, Senior Artist, Ranchi College of Veterinary Science on Animal Husbandry, regarding care of paintings. Necessary materials were given to the Educational Officer for the Exhibition " Main Records ".

Dr. B. B. Lal, Archaeological Chemist in India, Dr. Paul Phillipot, Director of Rome Centre for Preservation and Restoration of Cultural Property and Thiru O. P. Agarwal, Head, Central Conservation Laboratory, National Museum, New Delhi visited the Conservation Laboratory on 22nd February 1972. Dr. Kenzo Toishi and Tirumathi Toishi, Head, Department of Conservation Science, Tokyo National Research Institute of Cultural Property, Tokyo, visited the Laboratory on 20th March 1972.

Plans for the year 1972-73.—(1) Changing of certain D. C. equipment into A. C. equipment to be pursued through the Electrical Engineer and expeditiously completed; (2) Servicing of the airconditioning units to be expedited (through Voltas); (3) Construction of fibre glass tank for washing bronze images, etc., to be expedited; (4) Purchase of a rectifier for converting A.C. into D.C.

CHILDREN'S SECTION.

Additions.—Eleven stone tools and small quantities of twenty-two minerals were added to collection and put on display in the gallery.

Work in the gallery.—The working model of the train presented by the Federal Republic of Germany was attended to when it went out of order. The burnt-out bulbs inside the G.D.R. show-case were replaced by good ones and arrangements were made for repairing of one of the train models which went out of order in that case. The telephone demonstration set which went out of order was got repaired with the help of the

Technicians from Indian Telephone Industries, Madras-2 and the demonstration to the public was resumed. One old tand discoloured index inside the Earth's Treasurers show-case was replaced by newly prepared one. One switch on the quiz-board case which went out of order was refixed properly.

Gallery demonstration was conducted to school children from different schools. The Assistant Curator has undergone training in the workshop for the Administrators of Bal Bhavan at New Delhi for a period of about ten days from 15th to 24th October 1971.

In addition to the above, the other routine items of work such as cleaning and dusting of interior of the show-cases, replacement of old and discoloured labels by newly prepared ones, replacement of burnt out tube lights by good ones and provision of napththalene balls in the show-cases were attended during the year under report.

Plans for the year 1972–73.—1. G.D.R. train model to be repaired; (2) Proper external lighting to the portion of the gallery containing the ship models to be pursued with the Electrical Section Officer. (3) Programme of practical demonstrations and school visit to the Children's gallery may be drawn up and implemented from July 1972 onwards in consultation with Educational Officer.

GOVERNMENT MUSEUM, PUDUKKOTTAI.

General.

Working hours.—The Government Museum, Pudukkottai works on all days of the week except Monday and declared Gazetted Government Holidays. The working hours of the Museum office are from 10-30 a.m. to 5-00 p.m. and the Museum Galleries from 8-00 a.m. to 11-30 a.m. and 2-00 p.m. to 5-00 p.m.

The weekly holiday is every Monday for the galleries. The admission to the galleries is free to all on all days of the week. During the year in the report this Museum office has worked for 282 days and the Museum galleries for 284 days.

Visitors.—The total number of visitors during this year is 100,728 with the daily average of 355 which includes both males and females, literates and illiterates, students and teachers from educational institutions (Appendix I).

Extra-mural Activities.—The required assistance to build up school Museums have been afforded to schools as usual at their request by supplying the relevant information about the methods of collection, preservation and display. The teachers accompanying the school students have been given training in the method of explaining the Museum exhibits to the school children. About 45 schools are the beneficiaries therefor (Appendix IV).

Galleries—Improvements in the Galleries—Geology.—The wrong spelling in some of the labels for specimen were verified and corrected. Twenty-five printed bilingual labels were povided for specimens. One new glass pane was provided to the photoframes attached in the show case. The photograph of the geological time scale was touched up wherever necessary.

Zoology—Invertebrates.—The damaged specimen of black scorpion in the insect diorama case has been changed by a fresh specimen, caught in the Museum garden. Some of the colour faded, damaged butterflies that are locally available have been replaced by fresh ones. The curstacean specimens which had slipped from their original position have been fixed to their normal position. Some of the moth eaten and faded labels have been replaced by fresh ones. Preservative treatment was given to the box-type show-cases containing the insects, with a mixture of lysol and camphor solution. Some of the old and damaged Gastropod shells were replaced by new ones. The diorama case of arthropods was repainted and touched up wherever necessary. The colour faded and old specimen Cassiopia was replaced by a new one. The old and slightly damaged wet specimen of a scorpion was replaced by a new one. Five Coloptera moths were replaced. Some of the shells of the Bivalves (Mollusca) were mounted on glass panes for better display. Two new butterflies were exhibited replacing the old ones. One scorpion (dry) was replaced by a new one.

Birds.—The centre case cortaining ducks was replaced by a diorama case, assembled with the same specimens contained in the centre case. An old and unused centre table show-case had been converted into a diorama case for this purpose. About 12 broken glass bound labels have been replaced by fresh ones. The colour faded glasses and the leaves in the diorama show case of " common birds " have been replaced by freshly prepared ones. Fifteen birds were relabelled according to the modern technical terms. Eggs of hen, Jungle foul, pigeon and crow were replaced by new ones. Five new labels were provided for the culture specimen. Two owl specimens were provided with new glass eyes. Fifteen new labels were provided to the eggs of birds.

Fishes.—The rostrum of saw fish, the saw fish and the Hammer-headed shark have been mounted on a plywood board instead of mounting directly on the wall. Twenty-eight new labels were provided to the wet-preserved fish specimens furnishing to new technical terms. New glass panes were provided to the show cases of the skeleton of the

Bony Fish. The plank of the wet-preserved specimens of fishes was extended and few other fishes like Hippocampus were added. Five new glass bound labels were provided to the fishes.

Arts and Industries.—The damaged cloth lining inside the show case containing specimens made out of soap stone and plaster has been replaced by a fresh painted ply-wood lining for durability. Some of the moth-eaten photographs of Sittannavasal frescoes were touched up. The silk yarns were given preservative treatment. The wind instruments were cleaned and varnish was given as preservative. New glass bound labels were provided to the Varalakshmi (Plaster cast figure) and the pith model of Rock-fort, Tiruchirappally. Four pieces of wood carvings were cleaned and exhibited.

Botany.—The interior dark blue colour of the show case containing models of agriculture implements has been changed into a pale cream colour for the relief of objects. All the objects have been throughly cleaned and revarnished for preservation. The black spots that developed on the paper containing the colour charts of " compaign calendar " of growing crops has been suitably touched, renovated and re-exhibited in the gallery. Some of the common seeds were replaced by newly collected specimens. The ear-heads of cereals were cleaned and exhibited with new labels. New cutout mounts were provided to the pictures of some common Indian timbers. New fruits of Plyalthia were exhibited replacing the old specimens.

Anthropology.—Newly painted wooden labels have been provided to the specimen. of Tirunelveli urn burials and Kalasakkadu urn burials. One of the iron swords was cleaned and a preservative coating of wax was given. Two glass panes were replaced in the centre case containing the pots and potstands. The ornaments of various ethnic groups were cleaned and exhibited.

Numismatics.—The corroded lead coins have been cleaned by acid acetic (glacial) and caustic soda and then they were preserved by a shellac varnish coating.

Acquisition.—(1) About 14 Hindu bronze images have been brought from the Sub-Magistrate Court, Kumbakonam through the negotiations with the High Court. Among the 14 bronze idols, 13 were acquired free of cost, and one for the cost of Rs. 375.

(2) Six stone idols were acquired free of cost from the Sub-Magistrate Court, Keeranur.

Preservation and display—Mammals.—The withering hairs of the Flying squirrel specimens have been repaired and insecticide has been applied to it. The original excess varnish coating which turned the skulls into light yellowish colour was removed from the skull bones displayed on shields, and a thin coat of clear varnish has been applied to them.

Arms and Armoury.—The iron cannon that are now exhibited in the exit, and exposed to nature, have been cleaned and then a coat of grease has been applied to them. All the iron swords and cannon balls were cleaned and a coating of varnish was given as preservative.

Reptiles and Amphibia.—The sea snake was identified to be " Ebhydrina Schistora " and labelled accordingly. Two new eggs of turtles and one egg of tortoise were exhibited replacing the old ones. A new descriptive label was provided to the crocodile. The show case of the skeleton of cobra was provided with a new glass pane. One python was acquired and stuffed in coiled position and kept in the reserve collection. The overcoated varnish in the specimens of Turtles was cleaned and a new coat of clear varnish was given. One green frog was replaced by a new one. The old greenwhip snake was replaced by new one.

Cataloguing, registering, labelling, etc.—The specimen list of all the Museum exhibits are being prepared to be submitted to the Director of Museums, Madras. Three general name boards of the Museum were rewritten with relevance to new Tamil Terms.

Archaeology.—The old and colour-faded photo-mounts, numbering nine and containing the photographs of temples have been changed by fresh ones. Ten fresh wooden (Masonite) labels have been provided to the photographs mounted on frames, as a part of renovation work of labels in the gallery. Eighteen masonite labels were provided to the photoframes in the bronze galley replacing the old and colour faded ones. Some of the sculptures were cleaned and endile was applied as preservative. Three new labels were provided to the sculptures of Sapthamarthrika group replacing the colour faded ones. Three new masonite labels were provided to the photoframes. Two labels were provided for bronzes. Some of the colour faded photoframes were repainted. The cannon balls were cleaned and a preservative coat of grease was given.

Library.—About 21 books have been added bringing the total number of books in the Library to 10369. Regular subscriptions are being paid to the important magazines like Marg, Bombay Natural History Society, Man in India, Cultural forum, etc.

Tours.—(1) The Curator and the Taxidermist undertook a tour to Kumbakonam on 2nd June 1971 in connection with the acquisition and bringing the bronze images to the Government Museum, Pudukkottai.

(2) A tour was undertaken by the Curator to Madras from 7th to 21st August 1971 in connection with the preparation of photographs to make blocks for the book " Guide to important monuments in and around Pudukkottai.

On 16th September 1971, a tour was undertaken to Kumbakonam by the Curator to assess the value of 4 bronze idols that are kept in the Sub-Magistrate Court, Kumbakonam in the process of acquiring them.

A tour was undertaken by the Curator, Government Museum, Pudukkottai to Madras from 44th October 1971 to 11th October 1971 in connection with the printing of " The Guide Book to the Important Monuments in and around Pudukkottai ". The Curator and two Gallery guards undertook a tour to Keeranur on 15th March 1972 to take delivery of the six stone idols that were in the Sub-Magistrate Court, Keeranur.

General.—The Annual inspection by the Director of Museums, Madras was conducted from 6th July to 14th July 1971.

The complete list of specimens of all the galleries were prepared for furnishing the same to the Director of Museums, Madras and to the Stock Verification Officer for future reference and to assess the value of specimens in the Museum.

New telephone connection was given to the Museum with telepohne number 241, The regular Curator of this Museum, Thiru M. Ragupathy was on leave from 1st April 1971 to 30th April 1971 and Thiru A. G. Adikesavan. Assistant Curator, Government Museum, Madras was temporarily promoted and posted as Curator, Government Museum, Pudukkottai.

Thiru M. Raghupathy was on leave again from 16th November 1971 to 31st December 1971 and from 20th January 1972 to 20th March 1972. During this period Thiru J. Raja Mohammed, Assistant Curator of this Museum was in charge of the duties of the Curator, Government Museum, Pudukkottai from 16th December 1971 to 31st December 1971 and again 20th January 1972 to 20th March 1972.

S. T. SATYAMURTI,

Director of Museums, Government Museum, Madras-8.

CONNEMARA PUBLIC LIBRARY (EXCHANGE).

The number of institutions sending their journal in exchange for the Museum Bulletin was 206 and the number of publications received from them was about 1,540.

S. T. SATYAMURTI,
Director of Museums,
Government Museum, Madras-8, and
Associate Librarian,
Connemara Public Library, Madras.

APPENDIX I.

COMPLETE LIST OF TREASURE TROVE COINS IN THE TAMIL NADU STATE FOR THE YEAR 1971-72.

A. *Acquired by the Museum.*

Number	1
Treasure Trove R. D. number	573
Treasure Trove number	935
Accession number	988
Particulars	Arcot rupees.
Locality	Ambur, Ambasamudram, Tirunelveli.
Metal	Silver.
Number found	13
Number recovered	13
Number acquired	13

B. *Not acquired by the Museum.*

Serial number.	Treasure trove number.	Particulars.	Metal.	Number found.	Number re-covered.	Locality.	Treasure trove R. D. number.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	936	Gold pieces.	Gold.	2	2	Thalli village, Kankikota.	569
2	..	South Indian Panam.	Do.	201	201	Mancholai, Ambasamudram, Tirunelveli.	582
3	951	Silver coins.	Silver.	36	36	Jambai village, Gobichettypalayam, Coimbatore.	586
4	952	South Indian Panam.	Gold.	95	95	Ukkaramakutiyalathur, Gobichettipalayam, Coimbatore.	589

APPENDIX II.

LIST OF TREASURE TROVE FINDS ANTHROPOLOGY.

A. *Acquired by the Museum.*

Treasure trove number.	Accession number.	Description.	Locality.
(1)	(2)	(3)	(4)
576	1-71	1 Brass plain bangles .. .. 2 Brass bangles with flower designs. 3 Brass Bangles, senated .. 4 Brass broken bangles .. 5 Brass hooks (may be used as anklets).	From Thillaiyadi village, Mayuram taluk, Thanjavur district.
577	107	Nine round shaped hallow gold pieces.	From Sircarperiapalayam village, Erode Taluk, Coimbatore District.

B. *Not acquired by the Museum.*

Treasure trove number.	Description.	Locality.
(1)	(2)	(3)
546	1 Thali Saradu .. .. .. 2 Gold plate .. .. 3 Gold thali .. .. 4 Gold ring .. .. 5 Gold thali .. .. 6 Peenkan juk	Kangianur village, Villupuram taluk, South Arcot district.

ARCHAEOLOGY.

A. Acquired by the Museum.

Serial number.	Treasure trove number.	Accession number.	Object and locality
(1)	(2)	(3)	(4)
1	925	669/71	Crawling Krishna, Vellayakonapatti, Manapparai taluk, Tiruchirappalli district.
2	955	670/71	Nataraja, Kaduvangudi Nagapattinam taluk, Thanjavur district.
3	955	671/71	Somaskanda, Kaduvangudi, Nagapattinam taluk, Thanjavur district.
4	955	672/71	Umasahita, Kaduvangudi, Nagapattinam taluk, Thanjavur district.
5	955	673/71	Ganesa, Kaduvangudi, Nagapattinam taluk, Thanjavur district.
6	955	674/71	Devi, Kaduvangudi, Nagapattinam taluk, Thanjavur district.
7	955	675/71	Devi, Kaduvangudi, Nagapattinam taluk, Thanjavur district.
8	955	676/71	Trident, Kaduvangudi, Nagapattinam taluk, Thanjavur district.
9	948	677/71	Crawling Krishna, Jambagambalpuram taluk, Thanjavur district.
10	948	678/71	Do.
11	953	679/71	Devi (seated) Agarathur, Kumbakonam taluk, Thanjavur district.
12	953	680/71	Devi Saliamangalam, Papanasam, taluk, Thanjavur district.
13	953	681/71	Manikkavachaka, Papanasam taluk, Thanjavur district.
14	953	682/71	Balasubramanya Papanasam taluk, Thanjavur district.
15	953	1830/71	Mahivira, Ambathur, Saidapet taluk, Chingleput district.
16	953	1887/72	Vishnu, Narasingampettai, Kumbakonam taluk, Thanjavur district.

B. Not acquired by the Museum.

Serial number.	Treasure trove number.	Particulars.
(1)	(2)	(3)
1	915	Eight metal figures from Arasur, Tirukoilur taluk, South Arcot District.
2	927	Nine metal figures from Valangaiman, Papanasam Taluk, Thanjavur district.
3	928	Five metal figures from Mannarkolakkudi Chidambaram Taluk, South Arcot district.
4	930	One metal image from Seeralur, Thanjavur taluk Thanjavur district.
5	931	One metal image from Marapparanallur, Ambasamudram Taluk, Thanjavur district.
6	938	Thirteen broken metal pieces from Angamangalam Tiruchendur Taluk, Tirunelveli district.
7	940	Five metal figures from Thoddapparaikkam Usilampatti Taluk, Madurai district.
8	943	Two metal figures from Tenkarai, Periakulam taluk, Madurai district.
9	944	One metal image from Ammaiappan Nannilam taluk, Thanjavur district.
10	945	One metal image from Porakkudi, Nannilam taluk, Thanjavur district.
11	946	One metal image from Ammaippan, Nannilam taluk, Thanjavur district.
12	947	One pedestal (metal) from Vikkrapandiam, Nannilam Taluk, Thanjavur district.
13	949	One metal image from Sivakalai, Srivaikuntam taluk, Tirunelveli district.

APPENDIX III.

OTHER NOTABLE ADDITIONS TO THE COLLECTIONS DURING THE YEAR 1971-72.

Zoology.

Serial number and accession number.	Particulars.
(1)	(2)
1 1/1972	Coovum Crocodile—The Mugger or Marsh Crocodile (*Crocodilus palustrius*).
2 3/1972	The Hamadryas Baboon (*Camopithecus hamadryas*) (skin under the process of preservation).

APPENDIX III.

Anthropology.

Serial number.	Accession number.	Article.	Particulars.
(1)	(2)	(3)	(4)
1	118	A. Nagaswaram of Thiru Elumalai, Mylapore.	As a gift from Thiru Parthasarathy, Mylapore.
2	107	Nine round shaped hallow gold pieces.	As Treasure trove from Sircarperiya palayam, Erode Taluk, Coimbatore District.
3	11/71 to 32/71 ..	Twenty-two neolithic celts.	As gift from Prof. J.C. Goswami, Department of Anthropology, Gauhati University, Gauhati-14, Assam.
4	33/71	One Terracotta Pottery Lamp, got in 1958.	As gift from Mrs. Leela Daniel, Mayuram Taluk, Thanjavur.
5	1830	A small pot named as Kusuki of Kotas.	Gift by Mrs. Kuppi Aggal, Kota village, Kotagiri, Nilgiris.
6	1831	A small pottery lid of Kotas.	Do.
7	1835	A complete set of articulated human skeleton.	As a gift by the Director, Institute of Anatomy, Madras Medical College.
8	2445	One single barrel breech loading gun ·38 with an old leather case for the gun.	Transferred from Zoology section.
9	1/71	1. Three Brass plain Bangles. 2. Four Brass Bangles with flower designs. 3. Four Brass Bangles serrated. 4. Three Brass Bangles. 5. Four Brass Hooks.	As Treasure trove from Thillaigadi village, Mayuram taluk, Thanjavur District.
10	1833 A.B.C.D. ..	Four types of hair samples in glass bottles ABCD.	Brought under accession as directed by the stock verification Organisation.
11	2443	A model of a cannon in brass.	Brought under accession as directed by the stock verification Organisation.
12	2444	A dutch coat of arms with stone inscribed tablet.	Brought under accession as directed by the stock verification Organisation.
13	1832 A.B.C.D. ..	Four half size mounted Photographs of Australian Aborigines.	Brought under accession as directed by the stock verification Organisation.
14	A.B.C.D.E. 1834.	Five mounted photographs of fire making devices.	Brought under accession as directed by the stock verification Organisation.

Numismatics.

Serial number.	Accession number.	Particulars.
(1)	(2)	(3)
1	989	One steel yard balance sent by the Commissioner, Panchayat Union, Kattangalathur.
2	990	Thirty-eight old weights and measures sent by the Inspector of Labour, Namakkal.
3	991	Two steel yard balance and two sloted balance sent by the Inspector of Labour, Koilpatti.
4	992	One Indo-Dutch coin sent by the Director of Archives, Tamil Nadu.
5	993	One steel balance and seven old weights sent by the Inspector of Labour, Tirunelveli.
6	994	One old vallam measure sent by the Inspector of Labour, Erode.
7	995	Do. Tirupattur.
8	996	Purchased two silver coins of Uttama Chola at two silver coins of Rajendra from S. Arumugam, Tiruchirappalli.

APPENDIX III—*cont.*

Archaeology.

Serial number.	Accession number.	Particulars.
(1)	(2)	(3)
1	156/71	One set copper plate grant (consisting 3 plates) assignable to Vijayanagaaa dynesty was purchased from Thiru T. Gubendra Achari, Kanchipuram.
2	1802/71	Battle scence, oil on Carves by K. Madhava Menon.
3	1803/71	Lady with Vina water colour by Manian.
4	1804/71	Do. Painting by Subha.
5	1805/71	Lady with attendant, Peacock in the back, Painting by Subha.
6	1806/71	A lady with a head in front, Painting by Manian.
7	1807/71	Chandraleka with attendant, Painting by Chitraleka.
8	1808/71	Women winnowing the grain, Painting by A. Seenu.
9	1809/71	A Tamil King Painting by Saravanan.
10	1810/71	Historic scene—Pallava King and a Chinese traveller, Painting by Vinu.
11	1811/71	Scene of ancient port. Painting by Vijaya.
12	1812/71	Monkeys. Painting by Ramu.
13	1813/71	வண்டு தீர்தத பூசல். Painting by A. Seenu.
14	1814/71	A Romantic scene Do.
15	1815/71	யானையை வேலால் தாக்குதல் Do.
16	1816/71	Gangaikondachola Painting by Vinu.
17	1817/71	Lady with a mirror Painting by Manian.
18	1818/71	குறவன் குறத்தி. Painting by Ramu.
19	1819/71	Lady carrying water pot Painting by Saravanan.
20	1820/71	A scene Painting by Vijaya.
21	1821/71	அரசன் உலா Painting by Muthu.
22	1822/71	சங்கே முழங்கு Painting by Muthu.
23	1823/71	Avvaiyar Painting by Vinu.
24	1824/71	Bharathi Painting by V. Madhavan Pillai.
25	1825/71	Sankkharidevi (wood carving) from Sri Meykandamurthi koil, Nagapattinam, Thanjavur District.
26	1826/71	Padmanidhi (wood carving) from Sri Meykandamurthi Koil, Nagapattinam, Thanjavur District.
27	1827/71	Lady with Toilet (wood carving) Do.
28	1828/71	Agastya Do. Do.
29	1829/71	Ganesa Do. Do.
30	1831/71	Gandhaima dapa gift by Raj Bhavan, Guindy.
31	1832/71	Manmatha (wood carving) from Sri Satgunanathaswami Devasthanam, Idumbavanam, Tiruthuraipundi Taluk, Thanjavur District.
32	1833/71	Boat scene (wood carving) Do.
33	1834/71	"Expression" Painting by Alphonso.
34	1835/71	Kausalya and Rama Painting by P. L. Narasimhamurthi.
35	1836/71	Man Eater by K. S. Rao.
36	1837/71	"Ancient Indian Alphabets"—script chart consisting 6 booklets from All India Educational Society, New Delhi.
37	1838/71	"Medieval Indian Alphabets"—script chart consisting 6 booklets from All India Educational Society, New Delhi.
38	1839/71	Mahisasuramardani, (wood carving) from Sri Tirumarainatha-Devasthanam, Tiruvadavur, Melur Taluk, Madurai District.
39	1840/71	Sita in Asokavanam (wood carving) from Sri Tirumarainatha-Devasthanam, Tiruvadavur, Melur Taluk, Madurai District.
40	1841/71	"Moorthy" (sculpture) from Thiru Balan Nambiar.
41	1842/71	"Studio" painting from Thiru K. G. Subrahmanyam.
42	1843/71	Women (sculpture, from Thiru Balan Nambiar.
43	1844/71	A. O. Hume, Painting by Thiru K. V. Vaidyanathan.
44	1845/71	W. C. Banerjee Do.
45	1846/71	Mahatma Gandhi Do.
46	1847/71	Rabindranath Tagore Do.

APPENDIX III—*cont.*

Archaeology.

Serial number. (1)	Accession number. (2)	Particulars. (3)	
47	1848/71	Lala Lajpatirai	(Painting) By Thiru K. V. Vaidyanathan.
48	1848/71	Subash Chandra Bose	Do.
49	1851/71	Jawaharlal Nehru	Do.
50	1852/71	Vallabhabai Patel	Do.
51	1853/71	M. A. Ansari	Do.
52	1853/71	Annie Besant	Do.
53	1854/71	Maulana Abulkalam Azad.	Do.
54	1855/71	Rajendra Prasad.	Do.
55	1856/71	Maulana Muhamadali.	Do.
56	1857/71	Purushothama Das Tandon.	Do.
57	1858/71	C. P. Ramaswami Ayyar.	Do.
58	1859/71	Nageswara Rao, Pantulu.	Do.
59	1860/71	Pattabhi Sitaramayya.	Do.
60	1861/71	Sri Prakasa.	Do.
61	1862/71	G. V. Mavlanker.	Do.
62	1863/71	C. N. Annadurai.	Do.
63	1864/71	T. M. Nair.	Do.
64	1865/71	Pitti Tyagaraja Chetty.	Do.
65	1866/71	Raja of Panagal.	Do.
66	1867/71	Maharaja of Cochin.	Do.
67	1868/71	Raja Ravi Varma.	(Painting) By Rama Varma.
68	1869/71	Gandhi and Chaffar Khar.	(Painting) By Thiru K. V. Vaidyanathan.
69	1870/71	Nehru and Tito.	Do.
70	1871/71	Gandhi and Mainben Patel.	Do.
71	1872/71	C. Rajagopalachari.	Do.
72	1873/71	Gandhi and Nehru (seated).	Do.
73	1874/71	S. Radhakrishnan.	Do.
74	1875/71	A. Lakshmanaswami Mudaliar.	Do.
75	1876/71	P. V. Rajamannar.	Do.
76	1877/71	Foundation of Congress (Home Wedderburn, and Dadabhai Naorigi.)	Do.
77	1878/71	Gandhi Historical March to Dandi.	Do.
78	1879/71	Gandhi in Ashram.	
79	1880/71	Hindu Muslim Unity.	Do.
80	1881/71	Beware of Rebels.	Do.
81	1882/71	Final March.	Do.
82	1883/71	Of Hinduism is to live.	Do.
83	1884/71	Panchasila.	Do.
84	1885/71	Jawaharlal Nehru.	
85	1886- 1/71	Vishnu on Garuda.	Print of Ravi Varma.
86	1886- 2/71	Descent of the Ganges.	Do.
87	1886- 3/71	Mohini.	Do.
88	1886- 4/71	Visvamitra and Menaka.	Do.
89	1886- 5/71	Ahalyas Sapavimochanan.	Do.
90	1886- 6/71	Breaking of Sivas Bow by Rama.	Do.
91	1886- 7/71	Triumph of Indrajit.	Do.
92	1886- 8/71	Visvamitra and Menaka.	Do.
93	1886- 9/71	Damayanti and Hamsa.	Do.
94	1886-10/71	Love-born Damayanti.	Do.

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APPENDIX III—*cont.*

Archaeology.

Serial number. (1)	Accession number. (2)	Particulars. (3)	
95	1886–11/71	Damayanti and Hamsa.	Print of Ravi Varma.
96	1886–12/71	Sakuntala with Companion.	Do.
97	1886–13/71	Sakuntala writing Love-letter.	Do.
98	1886–14/71	Do.	Do.
99	1886–15/71	Ravana Lopping Jatayus Wings.	Do.
100	1886–16/71	Madalasa and Rutudhwaja.	Do.
101	1886–17/71	Tilothama.	Do.
102	1886–18/71	Rambha.	Do.
103	1886–19/71	Pururavas and Urvasi.	Do.
104	1886–20/71	Yasoda and Krishna.	Do.
105	1886–21/71	Radha and Krishna.	Do.
106	1886–22/71	Release of Vasudeva and Devaki from the Prison by Krishna.	Do. Do.
107	1886–23/71	Radha on the banks of river Yamuna.	Do.
108	1886–24/71	Arjuna and Subhadra.	Do.
109	1886–25/71	Draupadis Vastrapaharana.	Do.
110	1886–26/71	Sudeshna and Drampadi.	Do.
111	1886–27/71	Sairandri and Kichaka.	Do.
112	1886–28/71	Krishna (as Pandavas' Envoy) in the Duryodhanas Court.	Do.
113	1886–29/71	Suka and Rambha.	Do.
114	1886–30/71	Taradevi.	Do.
115	1886–31/71	Varini.	Do.
116	1886–32/71	Padmini.	Do.
117	1886–33/71	Vasantika.	Do.
118	1886–34/71	Vasantasena.	Do.
119	1886–35/71	Priyadarsika.	Do.
120	1886–36/71	Kerala Damsel.	Do.
121	1886–37/71	Kerala Damsel Playing Sitar.	Do.
122	1886–38/71	Krishna and Gopies.	Do.
123	1886–39/71	Siva with Parvathi and Ganesa on Nandi.	Do.
124	1886–40/71	Bhishmas Vow.	Do.
125	1886–41/71	Forsekan Damayanti in Forest.	Do.
126	1886–42/71	Ushas Dream.	Do.
127	1886–43/71	Sivaji.	Do.
128	1886–44/71	Humbling of the Bride of Sea.	Do.
129	1886–45/71	Guha, with Rama, Lakshmana and Sita.	Do.
130	1886–46/71	Scene from Kumarasambhava.	Do.
131	1886–47/71	Ahalya.	Do.
132	1886–48/71	Manorama.	Do.
133	1886–49/71	Adisankara.	Do.
134	1886–50/71	Portrait of a King and Queen of Mysore.	Do.
135	1886–51/71	Portrait of a Damsel.	Do.
136	1886–52/71	The Galaxy of Indian Women in different Regional Costumes.	Do.
137	1886–53/71	Lakshmi.	Do.
138	1886–54/71	Markandaya Embracing Siva Linga.	
139	1886–55/71	Portrait of a Lady.	Do.
140	1886–56/71	Do.	Do.

APPENDIX III—cont.

Archaeology—cont.

Serial number.	Accession number.	Particulars.	
(1)	(2)	(3)	
141	1886-57/71 ..	Portrait of a lady	Print of Ravi Varma.
142	1886-58/71 ..	Kalyakrishna	Print of M. V. Dhuarandhar.
143	1886-59/71 ..	Nala forsaking Damayanti	Do.
144	1886-60/71 ..	Shivaji in his camp	Do.
145	1886-61/71 ..	Shivaji and Ramdas	Do.
146	1886-62/71 ..	Harischandra with his wife and son in burning ghat.	Do.
147	1886-63/71 ..	Tripurasamhara ..	Print of B. R. Kumbhar.
148	1886-64/71 ..	Coronation of Rama	Print of Dhuarandhar.
149	1886-65/71 ..	Battle scene from Mahabharatha ..	Do.
150	1886-66/71 ..	Court scene	Print of Joshi.
151	1886-67/71 ..	Queen with child on lap	Print of A. M. Ali.
152	1886-68/71 ..	Matsyagandehiri	Print of Ravi Varma.
153	1886-69/71 ..	Penance of Dhruva	Do.
154	1886-70/71 ..	Rukmini Sandesam	Do.
155	1886-71/71 ..	Portrait of lady with the pot on the foreground.	Do.
156	1886-72/71 ..	Kerala damsel with Sitar (a fancy fan on the ground).	Do.
157	1886-73/71 ..	Portrait of a lady with plate full of fruits.	Do.
158	1886-74/71 ..	Portrait of a king	Do.
159	1886-75/71 ..	Arjuna and Subhadra	Do.
160	1886-76/71 ..	Sarasvati	Do.
161	1886-77/71 ..	Draupadi Sudeshna	Do.

APPENDIX IV.

VISITORS, STAFF, ETC.

(1)	1970-71. (2)	1971-72. (3)
Total number of visitors	784,247	767,247
Number of visitors on Sundays ..	140,418	150,777
Total on Dwadesi day	7,235	1,609
Total on Kanum Pongal ..	45,692	46,290

The Centenary Exhibition hall were used for 10 exhibitions during 1971-72. A sum of Rs. 378 was realised as rent against Rs. 550 in the previous year.

Museum Theatre.

The Museum Theatre was used for 234 engagements during the year of which 189 were dramatic performances and the rest for rehearsals and meeting. A sum of Rs. 7,371 was realised as rent and a sum of Rs. 817·50 has in addition been credited to Government towards the overtime fee for the Caretaker's overtime attendance.

APPENDIX V.

List of photo negatives added to the sections during the year 1971-72.

ZOOLOGY.

Serial number. (1)	Negative number. (2)		Size. (3)	Particulars. (4)
1	ZF	562 ..	¼ size 8 Nos.	Microphotographs prepared for Mohammed S. Haque, a student of Museology and the Curator, Zoology Department, Ranchi University.
2	"	563 ..	35 m.m.	Two Cowries—*Cypraea mappa* and *Cypraea exanthama*.
3	"	564 ..	2-B. size $2\frac{1}{4}\times 2\frac{1}{4}$	*Tropiometra carinata*, Clarki Gisten. (= *Tropiometra encrinus* Lutken).
4	"	565 ..	2-B. size	*Lamppromеtra palmata* (J. Muller).
5	"	566 ..	"	*Antedon* spl.
6	"	567 ..	"	*Stolus buccalis* (Simpson).
7	"	568 ..	"	*Thyone mirabilis*, Ludwing.
8	"	569 ..	"	*Actinocucumis typica*, Ludwing (*Actinocucumis difficialis*, Bell).
9	"	570 ..	"	*Pentacta quadrangularis* (Lesson).
10	"	571 ..	"	*Orcula* (*phyllophora*) *dubia* (Bedford).
11	"	572 ..	"	*Holothuria atra* Jager.
12	"	573 ..	"	*Holothnria lubrica* Selenka.
13	"	574 ..	"	*Holothnria monacaria* (Lesson).
14	"	575 ..	"	*Holothuria pardalis* Salenka.
15	"	576 ..	"	*Holothuraı scabra* Jager.
16	"	577 ..	"	*Holothuria vagabunda* Salenka.
17	"	578 ..	"	*Holothuria marmorata* (Jager).
18	"	579 ..	"	*Stichopus chloronotus* Brandt.
19	"	580 ..	"	*Astrodyga radiata* (Leske)—Dorsal view.
20	"	581 ..	"	*Astropyga radiata* (Leske)—ventral view.
21	"	582 ..	"	*Echinothix calamaris* (Pallas).
22	"	583 ..	"	*Stomopneustes variolaris* (Lamarck)—Dorsal view with the spines intact.
23	"	584 ..	"	*Stomopneustes variolaris* (Lamarck)—Dry preserved test, without spines, Dorsal view.
24	ZF	585 ..	"	*Salmacis bicolor*, Agassiz—wet preserved specimen, Dorsal view.
25	"	586 ..	"	*Salmacis bicolor*, Agassiz—Dry preserved test without spines Doesal view.
26	"	587 ..	"	*Salmacis virgulata*, Agassiz and Desor—Wet preserved specimen —Dorsal view.
27	"	588 ..	"	*Temnopleures toreumaticus* (Leske)—Wet preserved specimen—Dorsal vlew.
28	"	589 ..	"	*Temnapleures toreumaticus* (Leske)—Dry preserved specimens with and without spines.
29	"	590 ..	"	*Toxopreustes pieleosus* (Lamsark)—Dorsal view of the test.
30	"	591 ..	"	*Tripneustes gratilla* (Linne)—Dorsal view.
31	"	592 ..	"	*Pseudoboletia indiana* (Michelin)—Dorsal view.
32	"	593 —	"	*Pseudoboletia maculata*, Troshel—left, Dorsal view, Right, ventral view.
33	"	594 ..	"	*Echinometra matthaei* (De Blainville)—Dorsal view.
34	"	595 —	"	*Echinolampas ovate* (Leske)—Dorsal view of the test.
35	"	596 ..	"	*Echinolampas ovate* (Leske)—Ventral view of the test.
36	"	597 ..	"	*Clypeaster humilis* (Leske)—Dorsal view.
37	"	598 ..	"	*Lagnum decagonale* (De Blainville)—Ventral view above and dorsal view below.
38	"	599 ..	"	*Lagnum depressum* (Lesson)—Ventral view above and dorsal view below.
39	"	600 ..	"	*Peronelle lesueuri* (L. Azassiz)—Dorsal view.
40	"	601 ..	"	*Peronelle orbicularis* (Leske)—Dorsal view.
41	"	602 ..	"	*Echinodiscus bisperforatus* (Leske)—Left : dorsal view, right ventral view.
42	"	603 ..	"	*Echinodiscus bisperforatus* (Leske)—Left dorsal view, right ventral view—Dry preserved specimen.

APPENDIX V.

List of photo negatives added to the sections during the year 1971–72.

ZOOLOGY.

Serial number.		Negative number.		Size.	Particulars.
(1)		(2)		(3)	(4)
43	ZF.	604	..	2B. Size.	*Echinodiscus bisperforatus*, Dorsal view, wet preserved specimen.
44	"	605	..	"	*Echinodiscus bisperforatus*, Var-truncatus (Agassiz) Dorsal view.
45	"	606	..	"	*Lovenia elongata* (Gray)—left: Dorsal view right: Ventral view, Dry preserved specimen with spines.
46	"	607	..	"	*Lovenia elongata* (Gray)—left: dorsal view, right: Ventral view, Dry preserved test without Spines.
47	"	608	..	"	*Metalia stenalis* (Lamarck)—Dorsal view of dry preserved test.
48	"	609	..	"	*Astropecten indicus*, Doderlein—left: Ventral view, right: dorsal view.
49	"	610	..	"	*Astropecten mauritianus*, Gray—Dorsal view.
50	"	611	..	"	*Astropecten hemprichii*, Muller and Troschel—Smaller and larger specimens.
51	"	612	..	"	*Astropecten monacanthus*, saden—Dorsal view.
52	"	613	..	"	*Persephonaster rhodopeplus*, Woodmason and Alcock dorsal view, damaged specimen.
53	"	614	..	"	*Luidia maculta*, *Muller* and *Troschel*—Dorsal view.
54	"	615	..	"	*Luidia maculta savignyi*, and (Audouin)—Dorsal view.
55	"	616	..	"	*Anthenea regalis*, Kochler.
56	"	617	..	"	*Anthenea rudis*, Kochler.
57	"	618	..	"	*Anthenea pentagonula* (lamarck)—Ventral and dorsal views.
58	"	619	..	"	*Stellaster belcheri*, Gray.
59	"	620	..	"	*Stellaster incei*, Gray.
60	"	621	..	"	*Goniodiscus granuliferus* (gray).
61	"	622	..	"	*Pentaceraster multispinus* (von-martens) (*Pentaceraster hedemanni*, Lutken).
62	"	623	..	"	*Orester thurstoni*, Bell.
63	"	624	..	"	*Protoreaster lincki* (De Blainville)—Specimen from Kilakarai.
64	"	625	..	"	*Protoreaster lincki* (De Blainville)—Ventral view.
65	"	626	..	"	*Protoreaster lincki* (De Blainville)—Specimen from Tuticorin.
66	"	627	..	"	*Asterodiscus elegans*, Gray.
67	"	628	..	"	*Winckia laevigata* (linnaeus).
68	"	629	..	"	*Metrodixa subulata*, Gray.
69	"	630	..	"	*Anseropoda Sarasini* (De Loriol)—Dorsal and ventral views.
70	"	631	..	"	*Echinaster purpureus* (gray)—Dorsal view.
71	"	632	..	"	*Echinaster purpureus* (Gray)—ventrel view.
72	"	633	..	"	*Ophiactis savignyi* (Muller and Troschel)—Dorsal view.
73	"	634	..	"	*Ophiocoma scolopendrina* (Lamarck)—Dorsal view.
74	"	635	..	"	*Pectinura conspicua*, kochler—Dorsal view.
75	"	636	..	"	*Pectinura intermedia*, Bell—Dorsal view.
76	"	637	..	"	*Gorgonocephalus laevigatus*, Koehler—The basket star, genera view.
77	"	638	..	35 m.m.	Gibbon, Chimpanzee, Orang, Gorilla, etc.
78	"	639	..	"	Snakes—Photographs taken at Madras Snake Park.

GEOLOGY.

Serial number.		Size. number.			Subjects.
(1)		(2)			(3)
1	35 m.m.	Film.	..	..	Travertine with leaf impression.
2	"	"	..	..	Dolerite porphyry.
3	"	"	..	..	Vesicular and amygdaloidal basalt
4	"	"	..	..	Do.
5	"	"	..	..	Conglomerate.
6	"	"	..	..	Breccia.
7	"	"	..	..	Do.

APPENDIX V—*cont.*

List of photo negatives added to the sections during the year 1971-72—*cont.*

GEOLOGY—*cont.*

Serial number.	Size number.				Subject.
(1)	(2)				(3)
8	35 m.m.	Size film.	..	..	Banded sand stone.
9	,,	,,	..	..	Banded shale (one view).
10	,,	,,	..	..	Banded shale (another view).
11	,,	,,	..	..	Sandstone with dendritic markings.
12	,,	,,	..	..	Banded serpentine.
13	,,	,,	..	..	Phyllite.
14	,,	,,	..	..	Banded phyllite.
15	,,	,,	..	..	Mica schist.
16	,,	,,	..	..	Granodiorite gneiss.
17	,,	,,	..	..	Hornblende gneiss.

ANTHROPOLOGY.

Serial number.	Negative number.				Size.	Particulars.
(1)	(2)				(3)	(4)
1	F. VIII	11	..	..	2¼ x 2¼	Toda Temple, Kundal Mund, Ooty.
2	,,	12	..	..	,,	Toda Mund, old and new houses, Kundal Mund, Ooty.
3	,,	13	..	..	,,	Kota lady with her grand daughter Aggal, Kotta village, Kotagiri.
4	,,	14	..	..	,,	Kota boys in Aggal Kota village, Kotagiri.
5	,,	15	..	..	,,	Kota's coffee palp machine, Aggal village, Kotagiri.
6	,,	16	..	..	,,	Kota New village near Kotagiri.
7	,,	17	..	..	,,	Kotas in Beans garden, Aggal village, Kotagiri.
8	,,	18	..	..	,,	Kotas temples, Aggal village, Kotagiri.
9	,,	19	..	..	,,	Badaga group, Orasalai village, Kotagiri.
10	,,	20	..	..	,,	Badaga women, Orasalai village, Kotagiri.
11	,,	21	..	..	,,	Badaga family and children, Orasalai village, Kotagiri.
12	,,	22	..	..	,,	Tamil Nadu Leather Puppets (two) Male figure.
13	,,	23	..	..	,,	Tamil Nadu Leather Puppets-Asura.
14	,,	24	..	..	,,	Tamil Nadu Leather Puppets-Hanuman.
15	,,	25	..	..	,,	Tamil Nadu Leather Puppets-Female figure.
16	,,	26	..	..	,,	Tamil Nadu Leather Puppets-Hanuman.
17	,,	27	..	..	,,	Tamil Nadu Leather Puppets-Male figure.
18	,,	28	..	..	,,	Ornamental—cloths Lambadi.
19	,,	29	..	..	,,	Box and armlets—Todas.
20	,,	30	..	..	,,	Chain of cowries—Gadaba.
21	,,	31	..	..	,,	Chain of beads—Tronda.
22	,,	32	..	..	,,	Bamboo vessels—Toda.
23	,,	33	..	..	,,	Head-pad, wristlets—Lambadi.
24	,,	34	..	..	,,	Ornamented Gun.
25	,,	35	..	..	,,	A view of the Arms gallery I room.
26	,,	36	..	..	,,	A view of the Arms gallery II room.
27	,,	37	..	..	,,	At the time of fixing—Arms gallery I room.
28	,,	38	..	..	,,	Group of guns for Arms catalogue.
29	,,	39	..	..	,,	Do.
30	,,	40	..	..	,,	Do.
31	,,	41	..	..	,,	Do.
32	,,	42	..	..	,,	Do.
33	,,	43	..	..	,,	Do.
34	,,	44	..	..	,,	Do.
35	,,	45	..	..	,,	Single gun for Arms catalogue.
36	,,	46	..	..	,,	Photograph of the special exhibition of Anthropology section (without glass cover).
37	,,	47	..	..	,,	Photograph of the special exhibition of Anthropology Section (covered with glass).

APPENDIX V.

ARCHAEOLOGY.

Serial number.	Negative number.	Size.	Description.
(1)	(2)	(3)	(4)
1	2135	2 × 2	Suddhodanas visit to Mayadevi No. 156.
2	2136	,,	Division of Relics of Buddha No. 160.
3	2137	,,	Maya's Dream Back of 72.
4	2138	,,	Conversion of Nanda, No. 244.
5	2139	,,	Coping fragment No. 79.
6	2140	,,	Rahula meets Buddha No. 59.
7	2141	,,	Unidentified No. 57.
8	2142	,,	Maras attack on Bodhisattiva No. 22.
9	2143	,,	Departure of Siddhartha No. 287.
10	2144	,,	Chihaddautha jataka No. 149.
11	2145	,,	Yaksha standing on aquatic Animal No. 12.
12	2146	,,	Vidura Pandita Jataka No. 5.
13	2147	,,	Goli sculptures.
14	2148	,,	Do.
15	2149	,,	Coping fragment No. 75.
16	2150	,,	Garland bearers Back of 134.
17	2151	,,	Story of Sakka No. 56.
18	2152	,,	Temptation No. 10.
19	2153	,,	Goli sculpture.
20	2154	,,	Sarvamuada jataka No. 263.
21	2155	,,	Sculptured medalion near Bronze gallery.
22	2156	,,	Thanjavur painting 50-1/36.
23	2157	,,	Thanjavur painting 171-8/43.
24	2158	,,	Thanjavur painting 176-154/43.
25	2159	,,	Thanjavur painting 176-130/43.
26	2160	,,	Thanjavur painting 171-28 and 35/43.
27	2161	,,	Thanjavur painting 171-27/43.
28	2162	,,	Thanjavur painting 171-55/43.
29	2163	,,	Thanjavur painting 171-157/43.
30	2164	,,	Thanjavur painting 176-106/43.
31	2165	,,	Thanjavur painting 176-10/43.
32	2166	,,	Karvetnagar painting 429/52.
33	2167	,,	Do.
34	2168	,,	Karvetnagar painting 430/52.
35	2169	,,	Do.
36	2170	,,	Thanjavur Painting 2435.
37	2171	,,	Mathurai viran 348/51.
38	2172	,,	Painting on glass (lady with Drum and vina).
39	2173	,,	Sivaji of Thanjavur and Stamba Acon. No. 2442.
40	2174	,,	Memorial stone Accn. No. 2556.
41	2175	,,	Thanjavur painting Accn. 366/51.
42	2176	,,	Thanjavur painting No. 2473.
43	2177	,,	Hero stone Accn. No. 2555.
44	2178	,,	Mahishasuramardani 268/51.
45	2179	,,	Raja, Rani and prince standing 171-74/43.
46	2180	,,	Coronation of Yudhishtara 2471.
47	2181	,,	Tanjavur painting No. 171-17/43.
48	2182	,,	Lotus Medellion.
49	2183	,,	Jaina Tuthakara No. 36-35/5.
50	2184	,,	Jaina Tuthakara No. 393/57.
51	2185	,,	Mahavira No. 36-2/35.

APPENDIX V—*cont.*

ARCHAEOLOGY—*cont.*

Serial number.	*Negative number.*	*Size.*	*Particulars.*
(1)	(2)	(3)	(4)
52	2186	„	Mahavira. No. 36 3/35.
53	2187	2 × 2	Tirthankara No. 36-135.
54	2188	„	Mahavira No. 36-335.
55	2189	„	Pavnehatirthi No. 606/67.
56	2190	„	Parsvanndha No. 36-635
57	2191	„	Mahavira No. 389/57.
58	2192	„	Yakshi-Ambika.
59	2193	„	Tirthankara No. 392/57.
60	2194	„	Tirthankara No. 390/57.
61	2195	„	Jain Tirthankara No. 8/27.
62	2196	„	Do.
63	2197	„	Vijayanagar crest.
64	2198	„	Tirthankara No. 392/57.
65	2199	„	Tirthankara No. 36-535.
66	2200	„	Parsvanatha No. 36-635.
67	2201	„	Mahavira No. 36-435.
68	2202	„	Yakshi Anbika No. 391/57.
69	2203	„	Mahavira No. 36-2/35.
70	2204	„	Tirthankara No. 36-1/35.
71	2205	„	Tirthankara 393/57.
72	2206	„	Mahavira No. 389/57.
73	2207	„	Panchatirthi No. 606/67.
74	2208	„	Tirthankara No. 390/57.
75	2209	„	Mahavira No. 36-3/35.
76	2210	„	Mahishauramardini (B.G.)
77	2211	„	Tara (Metalware gallery).
78	2212	„	Tara (Metalware gallery).
79	2213	„	Comb (Metalware gallery).
80	2214	„	Betal grinder (Metalware gallery).
81	2215	„	Yakshi (Jagayyapetta.)
82	2216	„	Boat scene (wood carving) in Idumbavanam.
83	2217	„	Studio, Kinting, by K. G. Subrahmanyam.
84	2218	„	Kali, Tiruvengadu.
85	2219	„	Do.
86	2220	„	Do.
87	2221	„	Do.

NUMISMATIC.

Serial number.	*Negative number.*	*Size.*	*Particulars.*	
(1)	(2)	(3)	(4)	
1	F. 61	Quarter.	Vijayanagar, Bukka I coin, Harihara I and Hari Hara II.	
2	F. 62	„	Vijayanagar,	Reverse of the coin above.
3	F. 63	„	Vijayanagar,	Devaraya.
4	F. 64	„	Vijayanagar	Devaraya (Rev.)
5	F. 65	„	Vijayanagar,	Devaraya I.
6	F. 66	„	Devaraya II and Krishnadevaraya.	

APPENDIX V.

NUMISMATIC—*cont*.

Serial number.	Negative number.	Size.	Particulrs.
(1)	(2)	(3)	(4)
7	F. 67	Quarter.	Sadasivaraya, Achyutaraya and Tirudmalayer (obv.)
8	F. 68	"	Do. (Rev.)
9	F. 69	"	Ranga Raya, Venkataraya (Rev.)
10	F. 70	"	Do. (obv.)
11	F. 71	"	Devaraya (ob.)
12	F. 72	"	Do. (Rev.)
13	F. 73	"	E. Chalykya, Raja Raja (obv.)
14	F. 74	"	Do. (Rev.)
15	F. 75	"	W. Chalukya, Trilokya, Jagadekamalla
16	F. 76	"	Chola Gandagopala, Vikrama and Kulothunga (obv.)
17	F. 77	"	Do. (Rev.)
18	F. 78	"	Chola, Malaikonda Chola and Kataikunda.
19	F. 79	"	Chola Raja Raja, Uttama, Gangaikonda (obv.)
20	F. 80	"	Do. (Rev.)
21	F. 81	"	Nolambavadi, Kakatiya (obv.)
22	F. 82	"	Do. (Rev.)
23	F. 83	"	Yadava, Sri Madhava, Singaraya and Sri Rama.

APPENDIX VI.

Price list of Madras Government Museum Bulletins (New Series).

Note.—Orders for copies of the publications should be accompanied by remittance to cover the cost and postage. For the trade terms, the Direct of Museums, Government Museum, Madras, should be addressed.

Volume and number.	Description.	Number of pages.	Number of plates.	Price.	Rates after allowing 25 per cent discount.
(1)	(2)	(3)	(4)	(5)	(6)
				RS. P.	RS. P.
	Natural History Section.				
Vol. I, No. 2, Part 1, 1933.	Supplement to the Littoral Fana of Krusadai Island in the Gulf of Mannar—Polychaeta by P. Fauvel, Pycnogonida by B. Sundara Raj, and Alpheidae by F. H. Gravely.	79	1	2 00	1 50
Vol. I, No. 2, Part 2, 1931.	Three Species of Alcyonaria. By Sydney J. Hickson, F.R.S. (with three text figures).	9	Nil.	0 25	0 19
Vol, I, No. 2, Part 3, 1936.	Scyphomedusae of Krusadai Island By M.G.K. Menon, M.A.	9	1	0 50	0 38
Vol. I, No. 2, Part 7.	Scaphopoda Pelecypoda and Cephalopoda of Krusadai Island. By S. T. Satyamurti, M.A., D.SC., F.Z.S.	202	20	9 37	7 02
Vol. III, No. 1, 1930.	The Scyphomedusae of Madras and the neighbouring Coast. By M. G. K. Menon, M.A. Research Scholar, Madras University, Zoological Laboratory.	28	3	1 12	0 84
Vol. III, No. 2, 1932.	The Hydromedusae of Madras. By M.G.K. Menon, M.A.,	22	3	1 12	0 84
Vol. III, No. 5, 1927.	Decapod Larvae from the Madras Plankton. By M. Krishna Menon, M.A., M.SC.	55	6	1 87	1 41

APPENDIX VI—*cont.*

Price list of Madras Government Museum Bulletins (New series)—cont.

Volume and number. (1)	Description. (2)	Number of pages. (3)	Number of plates. (4)	Price. (5) RS. P.	Rates after allowing 25 per cent discount. (6) RS. P.
	Natural History Section—cont.				
Vol. III, No. 3, 1940.	Decapod Larvae from the Madras Plankton—II. By M. Krishna Menon, M.A., M.SC.,	47	8	1 50	1 13
Vol. IV, No. 1, 1931.	The Indian Species of Genus Caralluma (Fam, Asclepiadaceae). By F. H. Gravely, D.SC., and P. V. Mayuranathan, B.A., Government Museum, Madras.	28	4	1 50	1 13
Vol. VI, No. 1, 1949.	The Thaliacea of the Madras Plankton. By R. Velappan Nair, M.SC.	41	6	1 75	1 32
Vol. VI, No. 2,	Cirripedia of the Madras Coast. By A. Daniel.	40	16	2 37	1 78
Vol. VI, No. 3, 1959.	The Amphipoda of the Madras Coast. By K. Nagappan Nair, M.SC.	59	16	4 35	3 27
Vol. VI, No. 4, 1960.	The Land and Freshwater Mollusca in the Collection of the Madras Government Museum. By S. T. Satyamurti, MA. D.SC., F.Z.S.	174	21	13 00	9 75
1960	Guide to the Snakes exhibited in the Reptile Gallery. By S. T. Satyamurti, M.A., D.SC., F.Z.S.	25	..	0 75	0 57
1961	Guide to Snakes exhibited in the Reptile Gallery (Tamil). By S. T. Satyamurti, M.A., D.SC., F.Z.S.	26	18	0 62	0 47
1962	Guide to the Lizards, Crocodiles, Turtles and Tortoises exhibited in the Reptile Gallery. By S. T. Satyamurti, M.A., D.SC., F.Z.S.	45	28	1 37	1 03
1963	Guide to the Galleries of Foreign Animals, General Zoology, skeletal exhibits and Amphibians. By S. T. Satyamurti, M.A., D.SC., F.Z.S.	65	40	3 00	2 25
1964	Guide to the Mammal Gallery By S, T. Satyamurti, M.A., D.SC., F.Z.S.	73	45	2 36	1 77
1965	Guide to the Fish Gallery By S. T. Satyamurti, MA., D.S.C., F.Z.S.	85	56	3 60	2 70
1966 .. .. New Series Nos. Vol. VII, No. 1,	Descriptive catalogue of Butterflies in the collections of Madras Museum, by S. T. Satyamurti. M A., D.S C., F.Z.S.	255	33	30 95	23 25
1967	Guide to Invertrabrate Gallery By S. T. Satyamurti, M.A., D.SC., F.Z.S.	164	66	7 05	5 29
Vol. VII, No. 2, 1967	South Indian Amphibia By S. T. Satyamurti, M.A., D.SC., F.Z.S.	87	12	5 80	4 35
1970	Guide to the Bird Gallery, By S. T. Satyamurti, M.A., D.SC., F.Z.S.	193	100	11 30	8 47
Vol. I, No. 1, 1929.	Buddhist Sculptures from a Stupa near Goli village, Guntur district. By T. N. Ramachandran, M.A.	44	12	1 56	1 17
Vol. II, No. 1, 1930.	The Adichanallur skulls. By S. Zuckerman, M A., M.R.C.S., L.R.C.P., with Notes by Prof. G. Elliot Smith, F.R.S.	24	3	1 37	1 03
Vol. III, No. 4 ..	Indian Epigraphy and South Indian Scripts. By C. Sivaramamurthi, M.A. (Reprint).	280	12	13 55	17 [illegible]

APPENDIX VI—*cont.*

Price list of Madras Governnet Museum Bulletive (New series)—cont.

Volume and number. (1)	Description. (2)	Number of pages. (3)	Number of plates. (4)	Price. (5) RS. P.	Rates after allowing 25 per cent discount. (6) RS. P.
	General Section (with separate volumes for Anthropology and Arehaeology respectively).				
1939	Guide to the Archeological Galleries. An introduction to South Indian Temple Architecture and Sculpture. By F. H. Gravely, D.SC. and C. Sivaramamurthi, M.A., and other Curators (Reprint).	50	4	0 55	0 42
Vol. VI, No 1, 1952.	Possible Sumerian Survivals in Toda Ritual. By H R. H. Prince Peter of Greece, M.A. (Hry.), L.L.D.	24	10	6 25	4 69
1952	Madras Government Museum Centenary Souvenir (1851–1951).	158	12	5 00	3 75
1952	Guide to the Buddhist Antiquities. By A. Aiyappan and P. R. Srinivasan.	54	12	0 80	0 60
Vol. VII, No. 1, 1954.	Nagapattinam Bronzes. By T. N. Ramachandran.	156	30	9 70	7 28
1953	Coins of India through the ages ..	17	3	0 40	0 30
1957 ..	Early Eastern Chalukyan Sculpture. By C. Sivaramamurthi, M.A. (Reprint).	71	35	2 90	2 18
Vol. VII, No. 5, 1959.	The Gopuras of Tiruvannamalai. By F. H. Gravely, D.SC.	8	13	5 . 90	4 43
1960	Handbook of Museum Technique, Edited by A. Aiyappan, M.A., PH.D., and S. T. Satyamurti, M A., D.SC., F.Z.S..	228	11	2 75	2 07
1960	Scripts in and around India. By V. Kanniyan, B.A.	46	..	2 70	2 03
1961	Kalaichelvangal, (Tamil), By R. Nagaswamy, B.A., (Hons.)	68	40	1 00	0 75
1962	Pazhankala Panpadum Pazam Kudikalin Panpadum (Tamil). By C. J. Jayadev, M.A.L.T., and M. Raghupathy, M.A., M.A.	61	33	1 60	1 20
1964	Handbook of the Madras Government Museum, Edited by S. T. Satyamurti M.A. D.SC., F.Z.S.	164	160	5 40	4 05
1964	Guide to the Anthropological exhibits C. J. Jayadeve, M.A.	47	37	1 05	0 79
Vol. IX, No. 1, 1964	Nolamba Sculptures by C. Sivaramamurthi, M.A.	30	45	14 12	10 59
1965	Guide to the Children's Gallery by A. Vimala, B.A.	18	14	1 25	0 94
Vol. X, No. 1, 1966	The Glaciations and the Prehistoric Ages by M. D. Raghavan, B.A.	22	7	1 60	1 20
1966	Guide to the Principle exhibits in the Government Museum, Pudukkottai by M. S. Chandrasekhar, B.SC.	129	35	5 00	3 75
Vol. IX, No. 2, 1966	The Dowlaishweram Hoard of Eastern Chalukyan and Chola Coins by T. Balakrishan Nair, M.A. (Madras) M.A. (London).	22	4	4 80	3 60
	Guide to the National Art Gallery (New) by V. N. Srinivasa Desikan, M.A.	55	8	5 00	3 75
	English Handy Guide	..	..	0 06	..
	Tamil Handy Guide	..	..	0 06	..
	Telugu Handy Guide	..	..	0 06	..
	Malayalam Handy Guide	..	..	0 03	
	Brochure of the Government Museum, Madras.	..	..	0 25	
	Directory of Museums (Tamil) ..	..	..	5 00	3 75

APPENDIX VI—*cont.*

Price list of Madras Government Museum Bulletive New series—cont.

Volume and number.	Description.	Number of pages.	Number of plates.	Price.	Rates after allowing 25 per cent discount.
(1)	(2)	(3)	(4)	(5)	(6)
				RS. P.	RS. P.
	Museum Manual	..	..	3 70	2 80
	The Foote Collection of Indian Pre-historic and Proto-historic Antiquities Catalogue Raisonne by R. Bruce Foote-1914.	..	..	2 00	1 50
	Gramaphone records of the languages and dialects of the Madras Presidency Text of Passages.	..	..	1 25	0 95

TRADE TERMS.

1. The publications of the Government Museum, Madras, will be supplied only en pre-payment of the cost of the publications and sufficient postage thereon by Money Order or by cash.
2. Cheques or Bank drafts will not be accepted due to the account difficulties;
3. A discount of 25 per cent will be allowed to all authorised booksellers.

APPENDIX VII.

Receipts and Expenditure.

(A) Receipts.

	Amount.
1 Sale of photos	..
2 Sale of photo album	..
3 Sale of coins	..
4 Sale of metal casts of coins	..
5 Sale of replicas of Rama, Sita and Nataraja	..
6 Theatre advance	..
7 Sale of Micro-film copies	..
8 Other Miscellaneous Receipts	..
9 Sale of Publications	..
10 Sale of Picture Post Cards	..
11 Museum Theatre Rent	..
12 Museum Lawn Rent	..
13 Centenary Exhibition Hall Rent	..
14 Museum Restaurant Rent	..

(B) Expenditure.

	RS. P.
27 Scientific Departments—C. A. Museums.	
1 Salaries	..
2 Allowances—	
Travelling allowance	..
Dearness allowance	..
Other allowances	..
3 Office contingencies	..
4 Other charges—	
Other charges	..
5 Maintenance of Padmanabhapuram Palace and Museum of Antiquities	..
(d) Development schemes, (ii) Schemes in the Fourth Five-year Plan :—	
A. Improvements to Government Museums at Madras and Pudukkottai—	
1 Apparatus and materials	..
2 Cost of specimens	..
(b) Grants in aid and donations to scientific societies and institutions—	
Grants to the Gandhi Smarak Sangrahalaya, Madurai	..
Grants to the Numismatic Society of India, Varanasi	..
Grants to the Museums Association of India, New Delhi ..	..

APPENDICES RELATING TO THE GOVERNMENT MUSEUM, PUDUKKOTTAI.

APPENDIX 'A'.

ACCOUNT OF VISITORS FROM 1ST APRIL 1971 TO 31ST MARCH 1972.

Months.	*Number of visitors.*
1971—	
April	7,955
May	8,316
June	8,431
July	8,947
August	9,477
September	8,118
October	8 631
November	8,087
December	6,880
1972—	
January	7,661
February	10,047
March	8,178
Total ..	100,728

APPENDIX B.

Extracts from the visitor's book.

For several years I have heard about this Museum, which in spite of its small size has gained a wide reputation. I am delighted to have had this opportunity atleast to visit the place and see its many collections. It is difficult to select one section in preference to others, but for me the sculpture, both in bronze and stone seems outstanding. Some of the figures rank with the best I have seen anywhere.

L. ROYMAKPLOREE,
American Consul.

Madras,
1st September 1971.

Always happy to visit this fine and well arranged Museum. May I present a wish ! This Museum would be the ideal place to preserve so many interesting things like car panels and so on which are in danger to be dispersed and sold in various ways without serving the knowledge and preservation of the products of Indian Culture.

PROF. JEAN ELLIOT.

Paris,
21st September 1971.

The Museum which was the focus of attention to one of richest zones of Tamil Nadu, is sun slowly developing with a truly educative medium. I am sure the authorities concerned will see to a better spacing of the exhibits, especially in the art section in order that the full beauty and evoutionary importance of the excellent sculptures could be appreciated. I wish the Museum greater and better days.

K. V. SOUNDARA RAJAN,
Archaeological Survey of India.

Madras-9,
4th November 1971.

APPENDIX B—*cont.*

Extracts from the visitor's book—cont.

I certainly enjoyed visiting this beautifully arranged Museum with its fine contents all over and I believe that behind this great work are great minds. It is actually a beautiful art.

—DR. IBRAHIM MISSAH WASEEF,
W.H.O. Consultant,
Director-General of Health Education,
Ministry of Health,
Cairo.

Egypt,
25th November 1971.

I visit the Museum with my children. It is educative interesting and impressive. I have seen many Museums including Prince of Wales Museum in Bombay. This is easily one of the best in this country. As a Police Officer I consider that Pancha Lika Idols section lacks security. Laksh worth of idcils are kept here and unless an Armed Guard is postered here, we may lose some of the veluable pieces. It is a pity that such a beautiful Museum is not included in the interinary of visiting tourists. I congratulate the devoted staff working here.

A. RAJAMOHAN, I.P.S.,
Superintendent of police.

Tiruchirappolli.

APPENDIX C.

Statement showing receipts and expenditure in the Government Museum, Pudukkottai, for the year 1971–72.

A. Receipts.

	RS. P.
1 Tamil Handy Guides at 10 paise each	Nil.
2 English Handy Guides at 5 paise each	0 70
3 Guide to the Principal Exhibits to the Government Museum, Pudukkottai at Rs. 5 each.	30 00
4 Brochure on Government Museum, Madras at 25 paise each.	0 75
Total ..	31 45

B. Expenditure.

(1)	R.E. 1971–72. (2) Rs.	Actual expenditure. (3) RS. P.
1 Cost of Personnel—		
Salaries	40,200	40,829 15
Travelling allowance	1,000	626 65
Dearness allowance	3,500	3,321 07
Other allowances	1,800	1,771 33
2 Office contingencies	9,700	7,509 06
3 Other charges	500	316 00
4. Development schemes (plan)—		
1 Apparatus and materials	1,200	170 00
2 Cost of specimens	1,000	19 00
Total ..	58,900	54,56282

APPENDIX D.

List of schools that visited the Government Museum, Pudukkottai in 1971–72.

Serial number.	Date.	Name of the school.	Number of students.	Number of staff.
(1)	(2)	(3)	(4)	(5)
1	13th April 1971	Middle school, Orathanadu	100	13
2	17th April 1971	Panchayat Union Elementary School, Kunnadarkoil.	25	1
3	22nd April 1971	Panchayat Union Elementary School, Poonamaravathi.	25	1
4	29th April 1971	Elementary School, Immanampatti, Tiruvarankulam.	25	2
5	Do.	Higher Elementary School, Vadavalam ..	30	2
6	4th May 1971	Aided Middle School, Sithakadu	45	20
7	19th May 1971	Government Boys' High School, Arimalam.	63	3
8	25th June 1971	Sri Swami Vivekananda Nursery School, Sandapettai, Pudukkottai.	50	6
9	8th July 1971	Champion High School, Tiruchirappalli–1..	114	7
10	20th July 1971	Irunangupatti School, Marvapatti, Tiruvarankulam Union.	69	4
11	23rd July 1971	Municipal School, Pillaitannirapandal, Pudukkottai.	53	2
12	7th August 1971	Pallikondan Middle School, Pattukottai, Panchayat union.	70	9
13	22nd August 1971.. ..	Hazanathul Zaria Higher Elementary school, East Second street, Pudukkottai.	75	4
14	27th August 1972 ..	Do.	16	4
15	26th September 1971 ..	St. Aloysius High School, Payapanpatti.	57	7
16	Do. ..	Hindu Nadar Middle School, Aruppukkottai.	78	14
17	Do. ..	Fatima Girls High School, Gangaikondacholapuram, Tiruchirappalli district.	64	6
18	30th September 1971 ..	R.C. Senior Basic School, Marthandapuram, Pudukkottai.	45	5
19	31st October 1971.. ..	Kalai M gal School, Pudukkottai	12	1
20	Do. ..	Government Training College, Pudukkottai	48	5
21	1st November 1971 ..	Panchayat Union Elementary School, Mannargudi, Vengaram Peraiyur.	50	10
22	2nd November 1971 ..	Higher Elementary School, Kaverinagar..	12	1
23	6th November 1971 ..	Tirumayam Panchayat Union Elementary School, Arputhapuram.	15	2
24	7th November 1971 ..	Tiruvarangulam Panchayat Union Middle School, Kaikurichi.	18	1
25	Do. ..	St. Peter's High School; Thanjavur ..	60	15
26	10th November 1971 ..	Municipal Higher Elementary School, Tiruvapur, Pudukkottai.	63	4
27	21st November 1971 ..	District Police Office, Coimbatore.. ..	35	5
28	26th November 1971 ..	Holy Mother Mary High School, Dindigul	75	6
29	Do. ..	Kottur Elementary School, Tirumayam Panchayat Union.	40	3
30	27th November 1971 ..	Melur Elementary School, Annavasal Panchayat Union.	32	5
31	2nd December 1971 ..	Sivan koil Municipal School, Karaikudi ..	120	7
32	7th February 1971 ..	T.E.L.C. Senior Basic School, Pudukkottai.	85	
33	30th December 1971 ..	Govindasamy Moopanar Middle School, Kapistalam.	75	8
34	17th February 1971 ..	Sowgathul Islam Elementary School, Vazhuthur, Thanjavur district.	70	14
35	Do. ..	Saraswathi Ammal Aided School, Saraboji Rajapuram, Thanjavur district.	21	2
36	18th February 1971 ..	Alagappa Montessery School, Karaikudi ..	113	6
37	19th February 1971 ..	B.H.E.L. Tamil Training School	100	3
38	Do. ..	S. Rm. High School, Nattarasankottai ..	20	4
39	27th February 1972 ..	Chinnamathur Elementary School, Chakkottai Panchayat Union, Ramanathapuram district.	30	8

APPENDIX D—*cont.*

List of schools that visited the Government Museum, Pudukkottai in during 1971–72—*cont.*

Serial number and date.		Name of school.	Number of students.	Number of staff.
(1)		(2)	(3)	(4)
40	27th February 1972	Panchayat Union School, Mannargudi, Thanjavur district.	65	10
41	10th March 1972	Christ Raja Middle School, Irudayapuram Tirumayam.	65	15
42	19th March 1972	Panchayat Union Elementary School, Nerunjikudi, Tiruchirappalli district.	25	2
43	25th March 1972	Child Trust School, Pudukkottai	120	12
44	26th March 1972	Panchayat Union Elementary School, Thiruvarangulam.	13	1
45	27th March 1972	Kajamalai High School, Tiruchirappalli ..	60	5
		Total ..	2,426	262

APPENDIX E.

List of books added to the Library (for 1971–72).

1 Man in India, Volume S. No. 2—April—June 1971.
2 The Journal of the Numismatic Society of India, Volume XXX 1968.
3 Journal of the Bombay Natural History Society, Volume 67 No. 3—December 1970.
4 பொது நிர்வாக நடைமுறை நூல்—தமிழ் நாடு—1971.
5 Man in India, Volume 51 No. 3 July—September 1971.
6 Bronzes of South India by P. R. Srinivasan.
7 Stone sculpture in the Allahabad Museum by Promod Chandra.
8 Journal of Bombay Natural History Society, Volume 68 No. 1.
9 Man in-India, Volume 51 No. 4.
10 Protection of Museum objects during war.
11 ஆட்சிச் சொல்லகராதி (5 புத்தகங்கள்).
12 Journal of Bombay Natural History Society, Volume 68 No. 2.
13 Transaction of the Archaeological Society of South India 1962–65.
14 Archaeological Society of South India Silver Jubilee, Volume 1962.
15 Man in–India, Volume 52, No. 1—1972.
16 1971–72 ஆண்டு நிதி நிலை அறிக்கை, மாண்புமிகு திரு. மு. கருணாநிதி, முதலமைச்சர்.
17 1971-72 ஆண்டு நிதி நிலை அறிக்கை, மாண்புமிகு திரு. மு. கருணாநிதி, முதலமைச்சர்.

S. T. SATYAMURTI,
Director of Museum,
Government Museum, Madras-8.

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GOVERNMENT OF TAMIL NADU
1973

EDUCATION DEPARTMENT

G.O. No. 1980, 14th August 1972

Museums—Administration Report of the Government Museums, Madras and Pudukkottai—The National Art Gallery and the Connemara Public Library for 1971–72.

READ—the following paper:—

Letter from the Director of Museums, Madras, dated 28th May 1972, No. 1721/72-E

Order—No. 1980, Education, dated 14th August 1972.

Recorded.

(By order of the Governor)

K. DIRAVIAM,
Secretary to Government.

To the Director of Museums, Madras-8.
,, Director of School Education, Madras-6.
,, Director of Collegiate Education, Madras-6.
,, Accountant-General, Madras-18.
,, Madras Secretariat Library.
,, Revenue Department.
,, Director of Stationery and Printing, Madras 1 (w.e.)